

# Recombinant Enterobacteria phage 933W Shiga-like toxin 2 subunit B(stxB2)

Catalog No: #AP71127

Package Size: #AP71127-1 20ug #AP71127-2 100ug #AP71127-3 1mg

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## Description

|                       |                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | Recombinant Enterobacteria phage 933W Shiga-like toxin 2 subunit B(stxB2)                                                                                                                                                                                                                                                                                                                              |
| Host Species          | E.coli                                                                                                                                                                                                                                                                                                                                                                                                 |
| Purification          | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                            |
| Immunogen Description | Expression Region:20-89aaSequence Info:Full Length of Mature Protein                                                                                                                                                                                                                                                                                                                                   |
| Other Names           | Verocytotoxin 2 subunit B ;Verotoxin 2 subunit B                                                                                                                                                                                                                                                                                                                                                       |
| Accession No.         | P09386                                                                                                                                                                                                                                                                                                                                                                                                 |
| Calculated MW         | 23.8 kDa                                                                                                                                                                                                                                                                                                                                                                                               |
| Tag Info              | N-terminal 6xHis-SUMO-tagged                                                                                                                                                                                                                                                                                                                                                                           |
| Target Sequence       | ADCAKGKIEFSKYNEDDTFTVKVDGKEYWTSRWNLQPLLQSAQLTGMTVTIKSSTCESGSGFAEVQFNND                                                                                                                                                                                                                                                                                                                                 |
| Formulation           | Tris-based buffer50% glycerol                                                                                                                                                                                                                                                                                                                                                                          |
| Storage               | <p>The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.</p> <p>Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.</p> |

## Background

The B subunit is responsible for the binding of the holotoxin to specific receptors on the target cell surface, such as globotriaosylceramide (Gb3) in human intestinal microvilli.

## References

Binding of adenine to Stx2, the protein toxin from Escherichia coli O157:H7.Fraser M.E., Cherney M.M., Marcato P., Mulvey G.L., Armstrong G.D., James M.N.Acta Crystallogr. F 62:627-630(2006)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.