

# Recombinant Escherichia coli Large-conductance mechanosensitive channel(mscL)

Catalog No: #AP74446

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Package Size: #AP74446-1 20ug #AP74446-2 100ug #AP74446-3 1mg

## Description

|                       |   |
|-----------------------|---|
| Product Name          | Recombinant Escherichia coli Large-conductance mechanosensitive channel(mscL)   |
| Host Species          | E.coli  |
| Immunogen Description | Greater than 85% as determined by SDS-PAGE.   |
| Target Name           | mscL  |
| Accession No.         | Uniprot ID: P0A743  |
| Uniprot               | P0A743  |
| GeneID                | 915989;   |
| Target Species        | Escherichia coli O157:H7  |
| Calculated MW         | 30.95kDa  |
| Target Length         | Full Length, 1-136aa  |
| Tag Info              | N-terminal 6xHis-B2M-tagged   |
| Target Sequence       | MSIIKEFREFAMRGNVVDLAVGVIIIGAAFVKIVSSLVADIIMPPLGLLIGGIDFKQFAVTLRDAQGDIPAVVMHYG<br>VFIQNVDFLIVAFMAIKLINKLNKKEEPAAAPAPTKEEVLLTEIRDLLKEQNNRS  |
| Formulation           | Tris-based buffer, 50% glycerol   |
| Storage               | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. 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. |

## Background

Channel that opens in response to stretch forces in the membrane lipid bilayer. May participate in the regulation of osmotic pressure changes within the cell (By similarity).

## References

“Complete genome sequence of enterohemorrhagic Escherichia coli O157:H7 and genomic comparison with a laboratory strain K-12.” Hayashi T., Makino K., Ohnishi M., Kurokawa K., Ishii K., Yokoyama K., Han C.-G., Ohtsubo E., Nakayama K., Murata T., Tanaka M., Tobe T., Iida T., Takami H., Honda T., Sasakawa C., Ogasawara N., Yasunaga T. Shinagawa H. DNA Res. 8:11-22(2001)

Note: This product is for in vitro research use only