

# Recombinant Escherichia coli Beta-lactamase CTX-M-1

Catalog No: #AP72919

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

Package Size: #AP72919-1 20ug #AP72919-2 100ug #AP72919-3 1mg

## Description

Product Name	Recombinant Escherichia coli Beta-lactamase CTX-M-1
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:29-291aaSequence Info:Full Length
Other Names	Beta-lactamase MEN-1Cefotaximase 1
Accession No.	P28585
Uniprot	P28585
GeneID	13909205;18157735;18157940;18253700;20467196;20468446;20468667;20468704;20491285;20491588;20491644;20491828;20492024;20492148;20492968;32464425;39692553;
Calculated MW	30.2 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	QTADVQQKLAELERQSGGRLGVALINTADNSQILYRADERFAMCSTSKVMAVAAVLKKSESEPNLLNQRVEIK KSDLVNYNPIAEKHVDGTM SLAELSAALQYSDNVAMNKLISHVGGPASVTAFARQLGDETFRLDRTEPTLNT AIPGDPRDTPRAMAQTLRNLTLGKALGDSQRAQLVTWMKGNNTGAASIQAGLPASWVVGDKTGSGDYG TNDIAVIWPKDRAPLILVYFTQPQPKAESRRDVLASA AKIVTNGL
Formulation	Tris-based buffer50% 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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Broad spectrum beta-lactamase which confers resistance to penicillins, as well as first, second and third-generation cephalosporins.

## References

Close amino acid sequence relationship between the new plasmid-mediated extended-spectrum beta-lactamase MEN-1 and chromosomally encoded enzymes of *Klebsiella oxytoca*.Barthelemy M., Peduzzi J., Bernard H., Tancrede C., Labia R.Biochim. Biophys. Acta 1122:15-22(1992)Research Topic:Others

Note: This product is for in vitro research use only