

RPPB1879

Product Information Protein Information

Product SKU:

RPPB1879

Accession:

Q6SJ61

Host:

Escherichia Coli.

Protein description:

Recombinant E.coli Beta-Lactamase produced in E.Coli is a single, non-glycosylated polypeptide chain containing 263 amino acids and having a molecular mass of 29 kDa. Beta Lactamase is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

b-Lactamase, EC 3.5.2.6, TEM-1.

Formulation:

Lyophilized from a concentrated (1mg/ml) solution in water containing 20mM Phosphate buffer pH-7.

Purity:

Greater than 90.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Beta Lactamase in sterile 18MΩ-cm H₂O at a concentration of 100 µg/ml, which can then be further diluted to other aqueous solutions. The Beta Lactamase should be used in pH 7.0- 8.0 and in temperature not higher than 45°C.

Stability:

Lyophilized Beta Lactamase although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Beta Lactamase Recombinant should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

MHPETLVK VKDAEDQLGA RVGYIELDLN SGKILESFRP EERFPMSTF KVLLCGAVLS RVDAGQEQLG
RRIHYSQNDL VEYSPVTEKH LTDGMTVREL CSAAITMSDN TAANLLTTI GGPKEFLAFL HNMGDHVTRL
DRWEPELNEA IPNDERDTTM PAAMATTLRK LLTGELLTLA SRQQLIDWME ADKVAGPLLR SALPAGWFIA
DKSGAGERGS RGIIAALGPD GKPSRIVVIY TTGSQATMDE RNRQIAEIGA SLIKHW.