Recombinant Full Length Pts System Mannitol-Specific Eiicb Component(Mtla) Protein, His-Tagged

Cat. No. RFL9300SF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length PTS system mannitol-specific EIICB component(mtlA) Protein (Q97SH4) (1-589aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Streptococcus pneumoniae
Source	E.coli
ProteinLength	Full Length (1-589)
Form	Lyophilized powder
AA Sequence	MEEKVSLKVRVQKLGTSLSNMVMPNIGAFIAWGVLTALFIADGYLPNEQLATVVGPM LTY LLPILIGYTGGYMIHGQRGAVVGAIATVGAITGSSVPMFIGAMVMGPLGGWTIKK FDEKF QEKIRPGFEMLVNNFSAGLVGFALLLLAFYAIGPVVSTLTGAVGNGVEAIVNA RLLPMAN IIIEPAKVLFLNNALNHGIFTPLGVEQVAQAGKSILFLLEANPGPGLGILLAY AVFGKGS AKSSSWGAMVIHFFGGIHEIYFPYVMMKPTLFLAAMAGGISGTFTFQLLD AGLKSPASPG SIIAIIATAPKGVWPHLNVLLGVLVAAVVSFLVAALILHADKSTEDSLE AAQAATQAAKA QSKGQLVSTSVDAVVSTDSVEKIIFACDAGMGSSAMGASILRDKV KKAGLEIPVSNQAIS NLLDTPKTLIVTQEELTPRAKDKSPSAIHVSVDNFLASSRYDEI VASLTGASPIAEIEGD IPTSAPVDSQESDLNHIDAVVVAYGKAQGTATMGCETIRAIF RNKNIRIPVSTAKISELG EFNSKNIMIVTTISLQAEVQQAAPNSQFLIVDSLVTTPEYDK MAARMYK
Purity	Greater than 90% as determined by SDS-PAGE.

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Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20℃/-80℃. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name	mtlA
Synonyms	mtlA; SP_0394; PTS system mannitol-specific EIICB component; EIICB-Mtl; EII-Mtl [Includes: Mannitol permease IIC component; PTS system mannitol-specific EIIC component; Mannitol-specific phosphotransferase enzyme IIB component; PTS system mannitol-specifi
UniProt ID	Q97SH4

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