

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

Cat. No. RFL32887EF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Escherichia coli PTS system mannitol-specific EIICBA component(mtlA) Protein (P00550) (1-637aa), fused to N-terminal His tag, was expressed in E. coli.
Species	E.coli
Source	E.coli
ProteinLength	Full Length (1-637)
Form	Lyophilized powder
AA Sequence	MSSDIKIKVQSFGFRFLSNMVM PNIGAFIAWGIITALFIPTGWLPNETLAKLVGPMITYLL PLLIGYTGGKLVGGERGGVVGAIITMGVIVGADMPMFLGSMIAGPLGGWCIKHFD R WVDG KIKSGFEMLVNNFSAGIIGMILAILAFLGIGPIVEALSKMLAAGVNFMVVHDM L PLASIF VEPAKILFLNNAINHGIFSP LGIQQSHELGKSIFFLIEANPGPGMGVLLAYMFF GRGSAK QSAGGAIIHFLGGIHEIYFPYVLMNPRLILAVILGGMTGVFTLTILGGGLVS PASPGSI LAVLAMTPKGAYFANIAGVCAAMAVSFVVSAILLKTSKVKEEDDIEAATTR MQDMKAESK GASPLSAGDVTNDLSHVRKIIVACDAGMGSSAMGAGVLRKKIQDAG LSQISVTNSAINNL PPDVDLVITHRDLTERAMRQVPQAQHISLTNFLDSGLYTSLTER LVAAQRHTANEEKVKD SLKDSFDDSSANLFLKGAENIFLGRKAATKEEAIRFAGEQL VKG GYVEPEYVQAMLDREK LTPTYLGESIAVPHGTVEAKDRVLKTGVVFCQYPEGV RFGEEEDDIARLVIGIAARNNEH IQVITSLTNALDDESVIERLAHTTSVDEVLELLAGR

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Purity	Greater than 90% as determined by SDS-PAGE.
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°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
GENE INFORMATION	
Gene Name	mtlA
Synonyms	mtlA; b3599; JW3573; PTS system mannitol-specific EIICBA component; EIICBA-Mtl; EII-Mtl [Includes: Mannitol permease IIC component; PTS system mannitol-specific EIIC component; Mannitol-specific phosphotransferase enzyme IIB component; PTS system mannitol
UniProt ID	P00550