

Recombinant Full Length Proteobacteria malE Protein, tagged

Cat. No. malE-01EFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Maltose Binding Protein, N-terminal DDK Tag, expressed in HEK293 cells
Species	Proteobacteria
Source	HEK293
ProteinLength	1-396 aa
Description	Biofilm microarray result was validated with RT-PCR. In addition to being the periplasmic substrate-binding component of the maltose ABC transporter, MalE with bound substrate is also able to bind to the chemoreceptor Tar to induce chemotaxis toward maltose.
Form	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Molecular Mass	43.4 KDa
AASequence	MKIKTGARILALSALTMMFSASALAKIEEGKLVWINGDKGYNGLAIEVGKKFEKDTGI KVTVEHPDKLEEKFPQVAATGDGPDIIFWAHDRFGGYAQSGLLAEITPDKAFQDKLY PFTWDAVRYNGKLIAYPIAVEALSLIYNKDLLPNPPKTWEEIPALDKELKAKGKSALMF NLQEPYFTWPLIAADGGYAFKYENGKYDIKDVGVNDAGAKAGLTFLVDLIKHKHMNA DTDYSIAEAAFNKGETAMTINGPWAWSNIDTSKVNYGVTVLPTFKGQPSKPFVGVLS AGINAASPNKELAKEFLENYLLTDEGLEAVNKDKPLGAVALKSYEEELAKDPRIAATM ENAAQKGEIMPNIQMSAFWYAVRTAVINAASGRQTVDEALKDAQTRITK

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage	Store at -80 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Concentration	> 0.05 µg/µL as determined by microplate BCA method
Shipping	Dry Ice

GENE INFORMATION

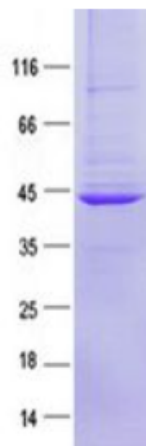
Gene Name	malE maltose ABC transporter periplasmic binding protein [Escherichia coli str. K-12 substr. MG1655]
Official Symbol	malE
Synonyms	malE; maltose ABC transporter periplasmic binding protein; ECK4026
Gene ID	948538
Protein Refseq	NP_418458
UniProt ID	A0A6C9Q5Z7

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SDS-PAGE



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