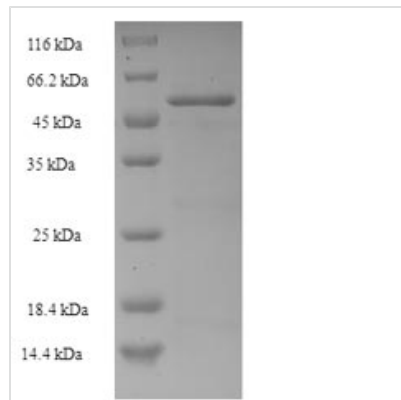




Recombinant Escherichia coli Methyl-accepting chemotaxis protein II (tar), partial

Product Code	CSB-EP356999ENV
Relevance	Receptor for the attractant L-aspartate and related amino and dicarboxylic acids. Tar also mediates taxis to the attractant maltose via an interaction with the periplasmic maltose binding protein. Tar mediates taxis away from the repellents cobalt and nickel. Chotactic-signal transducers respond to changes in the concentration of attractants and repellents in the environment, transduce a signal from the outside to the inside of the cell, and facilitate sensory adaptation through the variation of the level of methylation. Attractants increase the level of methylation while repellents decrease the level of methylation, the methyl groups are added by the methyltransferase CheR and roved by the methylesterase CheB.
Abbreviation	Recombinant E.coli tar protein, partial
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.
Uniprot No.	P07017
Alias	Aspartate chemoreceptor protein
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain K12)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	IRRMLLTPLAKIIAHIREIAGGNLANTLTIDGRSEMGLAQSVSHMQRSLTDTVT HVREGSDAIYAGTREIAAGNTDLSSRTEQQASALEETAASMEQLTATVKQNAD NARQASQLAQASSDTAQHGGKVVDGVVKTMEIADSSKKIADIISVIDGIAFQT NILALNAAVEAARAGEQGRGFAVVAGEVRNLASRSAQAAKEIKALIEDSVSRVD TGSVLVESAGETMNNIVNAVTRVTDIMGEIASASDEQSRGIDQVALAVSEMDR VTQQNASLVQESAAAAAAL EEQASRLTQAVSAFRLAASPLTNKPQTPSRPASE QPPAQPRRLRIAEQDPNWETF
Research Area	Others
Source	E.coli
Target Names	tar
Expression Region	212-553aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	52.0kDa


Protein Length
Cytoplasmic Domain
Image


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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.

Shelf Life

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.