Recombinant Escherichia coli TSR Protein (211-551 aa), His-tagged

Cat. No. TSR-1607E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Escherichia coli (strain K12) TSR Protein (211-551 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.
Species	E.coli
Source	Yeast
ProteinLength	211-551 aa
Description	Receptor for the attractant L-serine and related amino acids. Is also responsible for chotaxis away from a wide range of repellents, including leucine, indole, and weak acids.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.
Form	Tris-based buffer,50% glycerol
Molecular Mass	38.0 kDa
AA Sequence	WFGIKASLVAPMNRLIDSIRHIAGGDLVKPIEVDGSNEMGQLAESLRHMQGELMRTV

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	GDVRNGANAIYSGASEIATGNNDLSSRTEQQAASLEETAASMEQLTATVKQNAENA RQASHLALSASETAQRGGKVVDNVVQTMRDISTSSQKIADIISVIDGIAFQTNILALNA AVEAARAGEQGRGFAVVAGEVRNLAQRSAQAAREIKSLIEDSVGKVDVGSTLVESA GETMAEIVSAVTRVTDIMGEIASASDEQSRGIDQVGLAVAEMDRVTQQNAALVEESA AAAAALEEQASRLTEAVAVFRIQQQQRETSAVVKTVTPAAPRKMAVADSEENWETF
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	tsr methyl-accepting chemotaxis protein Tsr [Escherichia coli str. K-12 substr. MG1655]
Official Symbol	TSR
Synonyms	cheD; ECK4345;
Gene ID	948884
Protein Refseq	NP_418775

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UniProt ID	P02942

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