

Recombinant Escherichia coli MRCA Protein (229-529 aa), His-SUMO-tagged

Cat. No. MRCA-2110E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Escherichia coli (strain K12) MRCA Protein (229-529 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Microbiology. Protein Description: Partial.
Species	E.coli
Source	E.coli
ProteinLength	229-529 aa
Description	Cell wall formation. Synthesis of cross-linked peptidoglycan from the lipid intermediates. The enzyme has a penicillin-insensitive transglycosylase N-terminal domain (formation of linear glycan strands) and a penicillin-sensitive transpeptidase C-terminal domain (cross-linking of the peptide subunits).
Form	Tris-based buffer, 50% glycerol
Molecular Mass	49.5 kDa
AA Sequence	MLDEGYITQQQFDQTRTEAINANYHAPEIAFSAPYLSEMVRQEMYNRYGESAYEDG YRIYTTITRKVQQAAQQAVRNNVLDYDMRHGYRGPANVLWKVGESAWDNNKITDTL KALPTYGPLLPAAVTSANPQQATAMLADGSTVALSMEGVRWARPYRSDTQQGPTP RKVTDVLQTGQQIWVRQVGDAWWLAQVPEVNSALVSINPQNGAVMALVGGFDNF QSKFNRAQTALRQVGSNIKPFLYTAAMDKGLTLASMLNDVPISRWDASAGSDWQPK

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	NSPPQYAGPIRLRQGLGQSKNVVM
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.

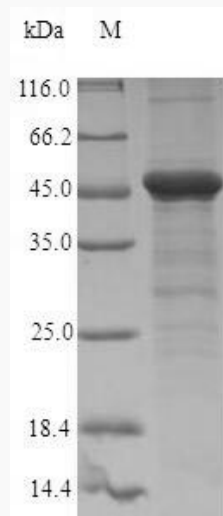
GENE INFORMATION

Gene Name	mrcA peptidoglycan glycosyltransferase/peptidoglycan DD-transpeptidase MrcA [Escherichia coli str. K-12 substr. MG1655]
Official Symbol	MRCA
Synonyms	ECK3383; ponA;
Gene ID	947907
Protein Refseq	NP_417855
UniProt ID	P02918

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

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