

Recombinant Neisseria Meningitidis Serogroup B MRCA Protein (206-413 aa), His-SUMO-tagged

SPECIFICATION

Cat.No.	MRCA-2176N
Species	Neisseria meningitidis
Product Name	Recombinant Neisseria Meningitidis Serogroup B MRCA Protein (206-413 aa), His-SUMO-tagged
Product Overview	Recombinant Neisseria Meningitidis Serogroup B (strain MC58) MRCA Protein (206-413 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Partial.
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).
Source	E. coli
Tag	His/SUMO
Form	Tris-based buffer, 50% glycerol
Molecular Mass	40.0 kDa
Protein length	206-413 aa
AA Sequence	KAPSAYNP IVNPERAKLRQKYILNNMLEEKMITVQQRDQALNEELHYERFVRKIDQSA LYVAEMVRQELYEKYGEDAYTQGFKVYTTVRADHQKVATEALRKALRNFD RGSSYR GAENYIDLSKSEDVEETVSQYLSGLYTVDKMVPVAVLDVTKKKNVVIQLPGGRRVTLD RRALGFAARAVNNEKMGEDRIRRGAVIRVKNNNGGRW
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

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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 will be sent along with the products. Please refer to it for detailed information.
Synonyms	mrcA; Peptidoglycan TGase DD-transpeptidase;
UniProt ID	P0A0Z6
Figure 1	MRCA-2176N, 1.jpg
Figure Note 1	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.