

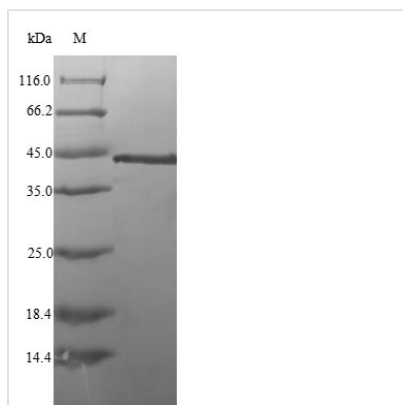


Recombinant Bacillus subtilis UDP-N-acetylglucosamine--N-acetylmuramyl-(pentapeptide) pyrophosphoryl-undecaprenol N-acetylglucosamine transferase (murG)

Product Code	CSB-EP330738BRJ
Relevance	Cell wall formation. Catalyzes the transfer of a GlcNAc subunit on undecaprenyl-pyrophosphoryl-MurNAc-pentapeptide (lipid intermediate I) to form undecaprenyl-pyrophosphoryl-MurNAc-(pentapeptide)GlcNAc (lipid intermediate II).
Abbreviation	Recombinant Bacillus subtilis murG protein
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.	P37585
Product Type	Recombinant Protein
Immunogen Species	Bacillus subtilis (strain 168)
Purity	≥ 85% as determined by SDS-PAGE.
Sequence	MRIAISGGGTGGHIYPALAFIKEVQRRHPNVEFLYIGTENGLKIVERENIPFR SIEITGFKRKLSFENVKTVMRFLKGVKKSYSYLAEFKPDVIGTGGYVCGPVVY AAAKMGIPTIVHEQNSLPGITNKFLSKYVNVKVAICFEEAKSHFPSEKVVFTGNPR ASEVVSIKTGRSLAEFGLSEDKKTVLIFGGSRGAAPINRAVIDMQDVLKTRDYQ VLYITGEVHYEKVMNELKSKGAADNMVTKPFLHQMPPEYLKVIDVARAGATTI AEITALGIPSVLIPSPYVTANHQEVNARSLGQHDAAIVLKETELSGEKLIEALDRI VLNEQTLKEMSERTKSLGVPDAAARLYSVLEELKK
Research Area	others
Source	E.coli
Target Names	murG
Protein Names	Undecaprenyl-PP-MurNAc-pentapeptide-UDPGlcNAc GlcNAc transferase
Expression Region	1-363aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	43.9 kDa
Protein Length	Full Length



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.