



Recombinant *Erwinia carotovora* subsp. atroseptica UDP-N-acetylglucosamine--N-acetylmuramyl- (pentapeptide) pyrophosphoryl-undecaprenol N-acetylglucosamine transferase (murG)

Product Code	CSB-EP728416EAAB
Abbreviation	murG
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.	Q6D0I3
Product Type	Recombinant Protein
Immunogen Species	Pectobacterium atrosepticum (strain SCRI 1043 / ATCC BAA-672) (<i>Erwinia carotovora</i> subsp. atroseptica)
Purity	≥85% (SDS-PAGE)
Sequence	MSGEGKRLMV MAGGTGGHVF PGLAVAHHLM AQGWQVRWLG TADRMEADLV PKHGIEIDFI RISGLRGKGI RAQLSAPIRI FQAVRQARAI MRRYQPDVVL GMGGYVSGPG GLAAWLCPGIP VVLHEQNGIA GLTNRWLSHI AKKVLQAFPG AFPKADVVG N PVRTDVLALP APETRLADRS GPVRVLVVG SQQARVLNQT LPGVAAQLSD RITIWHQVGK GALLTVQQAY QDAGQTQHKI TEFIDDMAAA YAWADVVC R SGALT VSEIA AAGLPALFVP FQHKDRQQYW NALPLEKAGA AKIIEQPQFS VAAVSEVL SG WDRTTLLKMA QKARAVAIPD ATERVAAEVS AAAGSRATHV AHG
Source	E.coli
Target Names	murG
Protein Names	Recommended name: UDP-N-acetylglucosamine--N-acetylmuramyl- (pentapeptide) pyrophosphoryl-undecaprenol N-acetylglucosamine transferase EC= 2.4.1.227 Alternative name(s): Undecaprenyl-PP-MurNAc-pentapeptide-UDPGlcNAc GlcNAc transferase
Expression Region	1-363
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein



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.