



Recombinant Anaplasma marginale UDP-N-acetylglucosamine--N-acetylmuramyl-(pentapeptide) pyrophosphoryl-undecaprenol N-acetylglucosamine transferase (murG)

Product Code	CSB-EP725029AAAC-B
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.	Q5PB22
Product Type	Recombinant Protein
Immunogen Species	Anaplasma marginale (strain St. Maries)
Purity	≥85% (SDS-PAGE)
Sequence	MKKVVLAAGG TGGHIVPAAL LCQVLADRGY RCVLYTDQYF LQYTARFPGI KGYVLLPLCK RSGGAVRLK FCALLAYSCV LSYIKLRSLK PDLVIGFGAY ASFPVLLSAW LMSVDAVLHE QNSVMGRVNR VFAGYARVIA CGLPLRTVGN KLAHKVAHVG VPTDVKKAVK RPLAGDSINL VILGGSQGLC TFGKTFALAI AELPTNIRGR VFVTQQCGKG QLEVITELYA RHGIKHKLSG FFTDMQNIIG EADLIISRAG ATTIAEVMAA GRPAIYVPYE RSSCSHQLYN AQLIESLGAG LCIEERTLDV SSARDALTNL LGDRNKLQEM SCNAAKHAMP DADAQFCAIV DGLLK
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	1-356
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

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