Probable UDP-N-Acetyl-D-Mannosaminuronic Acid Transferase (wecG) Salmonella Typhimurium Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable UDP-N-acetyl-D-mannosaminuronic acid transferase (wecG), Recombinant Protein
Full Product Name	Recombinant Salmonella typhimurium Probable UDP-N-acetyl-D-mannosaminuronic acid transferase (wecG)
Product Gene Name	wecG recombinant protein
Sequence	MTNNAAAPLY SLRGLPLIGW RDMSHALNYL FADGQLKQGT LVAINAEKLL TAEDNPEVRA LIAAAEFKYA DGISVVRSIR KKFPQAQVSR VAGADLWEAL MARAGKEGTP VFLVGGKPEV LAQTEAKLRT QWNVNIVGSQ DGYFTPEQRQ ALFARIHASG AKIVTVAMGS PKQELLMRDC REVHPHALYM GVGGTYDVFT GHVKRAPKIW QNLGLEWLYR LLSQPRRITR QMRLLRYLRW HYTGDL
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	27,599 Da
Sequence Positions	1-246, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for P37457
Species	Salmonella typhimurium (strain LT2 / SGSC1412 / 700720)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for wecG recombinant protein	MBS1228919 is a recombinant protein targeting wecG. Also known as Recombinant Salmonella typhimurium Probable UDP-N-acetyl-D-mannosaminuronic acid transferase (wecG). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of wecG recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for wecG. It may not necessarily be applicable to this product.

NCBI GI #	16767204
NCBI GeneID	1255455
NCBI Accession #	NP_462819.1
UniProt Primary Accession #	P37457
UniProt Related Accession #	P37457

GenBank Nucleotide #	NC_003197.2
NCBI Official Full Name	lipopolysaccharide N-acetylmannosaminouronosyltransferase
NCBI Official Symbol	wecG
UniProt Protein Name	UDP-N-acetyl-D-mannosaminuronic acid transferase
Protein Family	UDP-N-acetyl-D-mannosaminuronic acid transferase
UniProt Gene Name	wecG
UniProt Synonym Gene Names	UDP-ManNAcA transferase
NCBI Protein Information	lipopolysaccharide N-acetylmannosaminouronosyltransferase
UniProt Comments for wecG	Catalyzes the synthesis of Und-PP-GlcNAc-ManNAcA (Lipid II), the second lipid-linked intermediate involved in enterobacterial common antigen (ECA) synthesis.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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