Diphosphoinositol Polyphosphate Phosphohydrolase 3-Beta (NUDT11) Bovine Recombinant Protein

PRODUCT OVERVIEW

Product Name	Diphosphoinositol polyphosphate phosphohydrolase 3-beta (NUDT11), Recombinant Protein
Full Product Name	Recombinant Bovine Diphosphoinositol polyphosphate phosphohydrolase 3-beta (NUDT11)
Product Gene Name	NUDT11 recombinant protein
Product Synonym Gene Name	NUDT11
Sequence	MKCKPNQTRT YDPEGFKKRA ACLCFRSERE DEVLLVSSSR YPDRWIVPGG GMEPEEEPGG AAVREVFEEA GVKGKLGRLL GNFEQNQDRK HRTYVYVLTV TEILEDWEDS VSIGRKREWF KVEDAIKVLQ CHKPVHAEYL QKLKLGGSPT NGNSVAPSPP EGDP
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	18,519 Da
Sequence Positions	1-164, 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 Q58CW0
Species	Bovine
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for NUDT11 recombinant protein	MBS1348642 is a recombinant protein targeting NUDT11. Also known as Recombinant Bovine Diphosphoinositol polyphosphate phosphohydrolase 3-beta (NUDT11). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of NUDT11 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 NUDT11. It may not necessarily be applicable to this product.

NCBI GI #	301336166
NCBI GeneID	616931
NCBI Accession #	NP_001030565.2
UniProt Primary Accession #	Q58CW0

GenBank Nucleotide #	NM_001035488.2
NCBI Official Full Name	diphosphoinositol polyphosphate phosphohydrolase 3-alpha
NCBI Official Symbol	NUDT10
NCBI Official Synonym Symbols	NUDT11
UniProt Protein Name	Diphosphoinositol polyphosphate phosphohydrolase 3-beta
UniProt Synonym Protein Names	Diadenosine 5',5'''-P1,P6-hexaphosphate hydrolase 3-beta; Diadenosine hexaphosphate hydrolase (AMP-forming) (EC:3.6.1.60
Protein Family	Diphosphoinositol polyphosphate phosphohydrolase
UniProt Gene Name	NUDT11
UniProt Synonym Gene Names	DIPP3B; Nudix motif 11
NCBI Protein Information	diphosphoinositol polyphosphate phosphohydrolase 3-alpha
UniProt Comments for NUDT11	Cleaves a beta-phosphate from the diphosphate groups in PP-InsP5 (diphosphoinositol pentakisphosphate), suggesting that it may play a role in signal transduction. Also able to catalyze the hydrolysis of dinucleoside oligophosphates, with Ap6A and Ap5A being the preferred substrates. The major reaction products are ADP and p4a from Ap6A and ADP and ATP from Ap5A. Also able to hydrolyze 5-phosphoribose 1-diphosphate.
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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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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