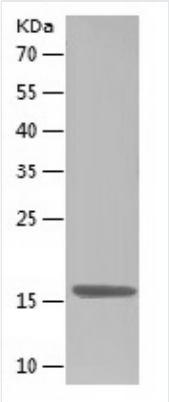
UBL4A Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	UBL4A, Recombinant Protein
Full Product Name	Recombinant Human UBL4A
Product Gene Name	UBL4A recombinant protein
Product Synonym Names	DX254E; DXS254E; G6PD; GDX; ubiquitin like 4A; Ubiquitin like protein 4A; Ubiquitin like protein GDX; UBL4; UBL4A
Host	E Coli
Form/Format	Lyophilized from a 0.2 um filtered solution in 10 mM Hepes, 500 mM NaCl with 5% trehalose and 0.06% proclin, pH7.4
Purity/Purification	Greater than 95% by SDS-PAGE gel analyses
Preparation and Storage	Store at -20 degree C for 12 months as lyophilized; 2-8 degree C for 1 month under sterile conditions after reconstitution
Molecular Weight	17,777 Da
Sequence Positions	1-157
OMIM	312070
3D Structure	ModBase 3D Structure for P11441
Species	Human
Tag	N-terminal His Tag
Reconstitution	Centrifuge the vial at 10,000 rpm for 1 minute, reconstitute at 200 ug/ml in sterile distilled water by gentle pipetting 2-3 times, don't vortex
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for UBL4A recombinant protein	Western Blot (WB), ELISA (EIA)
Related Product Information for UBL4A recombinant protein	MBS7615908 is a recombinant protein targeting UBL4A. Also known as Recombinant Human UBL4A. Host: E Coli.
Other Notes	Small volumes of UBL4A 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.



SDS-Page of UBL4A recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UBL4A. It may not necessarily be applicable to this product.

NCBI GI #	7657667
NCBI GeneID	8266
NCBI Accession #	NP_055050.1
UniProt Primary Accession #	P11441
UniProt Secondary Accession #	Q5HY80
UniProt Related Accession #	P11441
GenBank Nucleotide #	NM_014235.4
NCBI Official Full Name	ubiquitin-like protein 4A
NCBI Official Synonym Full Names	ubiquitin-like 4A
NCBI Official Symbol	UBL4A
NCBI Official Synonym Symbols	GDX; G6PD; GET5; MDY2; UBL4; TMA24; DX254E; DXS254E
UniProt Protein Name	Ubiquitin-like protein 4A
UniProt Synonym Protein Names	Ubiquitin-like protein GDX
Protein Family	Ubiquitin-like protein
UniProt Gene Name	UBL4A
UniProt Synonym Gene Names	DXS254E; GDX; UBL4
UniProt Entry Name	UBL4A_HUMAN
NCBI Protein Information	ubiquitin-like protein 4A; ubiquitin-like 4; ubiquitin-like protein GDX

UniProt Comments for UBL4A	UBL4A: Component of the BAT3 complex, a multiprotein complex involved in the post-translational delivery of tail-anchored (TA) membrane proteins to the endoplasmic reticulum membrane. TA membrane proteins, also named type II transmembrane proteins, contain a single C-terminal transmembrane region. The complex acts by facilitating TA proteins capture by ASNA1/TRC40: it is recruited to ribosomes synthesizing membrane proteins, interacts with the transmembrane region of newly released TA proteins, and transfers them to ASNA1/TRC40 for targeting. Protein type: Ubiquitin-like modifier Chromosomal Location of Human Ortholog: Xq28 Cellular Component: cytosol Molecular Function: protein binding; small conjugating protein ligase activity Biological Process: transport; protein modification process
Research Articles on UBL4A	**1.** Data indicate that BCL2-associated athanogene 6 (BAG6) appears to be the central component for the process, as depletion of BAG6 leads to the loss of both UBL4A and GET4 proteins and resistance to cell killing by DNA-damaging agents.
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