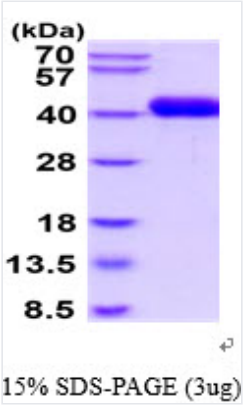
PLAUR Baculovirus Recombinant Protein

PRODUCT OVERVIEW

Product Name	PLAUR, Recombinant Protein
Full Product Name	PLAUR, 23-305aa, Human, His-tag, Baculovirus
Product Gene Name	PLAUR recombinant protein
Product Synonym Names	Urokinase plasminogen activator surface receptor isoform 1; PLAUR; CD87; U-PAR; UPAR; URKR; CD 87; CD87 CD87 antigen; MO 3; MO3; Monocyte activation antigen Mo3; Plasminogen activator receptor urokinase; Plasminogen activator urokinase receptor PLAUR; U PAR; u plasminogen activator receptor U-PAR; u-plasminogen activator receptor form 2; UPA receptor; uPAR; UPAR_HUMAN; Urinary plasminogen activator receptor; URKR; Urokinase plasminogen activator receptor; Urokinase plasminogen activator surface receptor; urokinase-type plasminogen activator (uPA) receptor
Sequence	LRCMQCKTNG DCRVEECALG QDLCRTTIVR LWEEGEELEL VEKSCTHSEK TNRTLSYRTG LKITSLTEVV CGLDLCNQGN SGRAVTYSRS RYLECISCGS SDMSCERGRH QSLQCRSPEE QCLDVVTHWI QEGEEGRPKD DRHLRGCGYL PGCPGSNGFH NNDTFHFLKC CNTTKCNEGP ILELENLPQN GRQCYSCKGN STHGCSSEET FLIDCRGPMN QCLVATGTHE PKNQSYMVRG CATASMCQHA HLGDAFSMNH IDVSCCTKSG CNHPDLDVQY RSGLEHHHHH H
Host	Baculovirus
Form/Format	Liquid. In phosphate buffered saline (pH 7.4) containing 10% glycerol
Purity/Purification	> 95% by SDS-PAGE
Concentration	0.5 mg/ml (determined by Absorbance at 280nm) (lot specific)
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.
Molecular Weight	32.5kDa (291aa) 40-57kDa (SDS-PAGE under reducing conditions)
OMIM	X51675 mRNA
3D Structure	ModBase 3D Structure for Q03405
Antigen Species	Human
Tag Information	His-tag
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Product Categories/Family for PLAUR recombinant protein	Cardiovascular
Applications Tested/Suitable for PLAUR recombinant protein	SDS-PAGE
Related Product Information for PLAUR recombinant protein	PLAUR, as known as urokinase plasminogen activator surface receptor isoform 1, is one of two activators that converts the extracellular zymogen plasminogen to plasmin, a serine protease that is involved in a variety of normal and pathological processes that require cell migration and/or tissue destruction. This protein is synthesized and released from cells as a single-chain proenzyme with limited enzymatic activity and is converted to an active two-chain disulfide-linked active enzyme by plasmin and other specific proteinases. Recombinant human PLAUR, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Product References and Citations for PLAUR recombinant protein	Persson M., et al, (2014) Stroke 45:18-23.; Zhuang T., et al, (2013) BMC Cancer 13:590.;

Other Notes	Small volumes of PLAUR 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.
Searchable Terms for PLAUR purchase	MBS206415 is a recombinant protein targeting PLAUR. Also known as PLAUR, 23-305aa, Human, His-tag, Baculovirus. Host: Baculovirus.



SDS-Page of PLAUR recombinant protein

ADDITIONAL DETAILS

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

NCBI GI #	4505865
NCBI GeneID	5329
NCBI Accession #	NP_002650
UniProt Primary Accession #	Q03405
UniProt Secondary Accession #	Q12876; Q15845; Q16887; Q6IB52; Q9BWT0; Q9NYC8; Q9UD69; Q9UEA6; Q9UM92; Q9UMV0; A8K409
UniProt Related Accession #	Q03405
GenBank Nucleotide #	NM_002659.3
NCBI Official Full Name	urokinase plasminogen activator surface receptor isoform 1
NCBI Official Synonym Full Names	plasminogen activator, urokinase receptor
NCBI Official Symbol	PLAUR
NCBI Official Synonym Symbols	CD87; UPAR; URKR; U-PAR
UniProt Protein Name	Urokinase plasminogen activator surface receptor
UniProt Synonym Protein Names	Monocyte activation antigen Mo3; CD_antigen: CD87
Protein Family	Urokinase plasminogen activator surface receptor
UniProt Gene Name	PLAUR
UniProt Synonym Gene Names	MO3; UPAR; U-PAR; uPAR
NCBI Protein Information	urokinase plasminogen activator surface receptor

NCBI Summary for PLAUR	This gene encodes the receptor for urokinase plasminogen activator and, given its role in localizing and promoting plasmin formation, likely influences many normal and pathological processes related to cell-surface plasminogen activation and localized degradation of the extracellular matrix. It binds both the proprotein and mature forms of urokinase plasminogen activator and permits the activation of the receptor-bound pro-enzyme by plasmin. The protein lacks transmembrane or cytoplasmic domains and may be anchored to the plasma membrane by a glycosyl-phosphatidylinositol (GPI) moiety following cleavage of the nascent polypeptide near its carboxy-terminus. However, a soluble protein is also produced in some cell types. Alternative splicing results in multiple transcript variants encoding different isoforms. The proprotein experiences several post-translational cleavage reactions that have not yet been fully defined. [provided by RefSeq, Jul 2008]
UniProt Comments for PLAUR	Acts as a receptor for urokinase plasminogen activator. Plays a role in localizing and promoting plasmin formation. Mediates the proteolysis-independent signal transduction activation effects of U-PA. It is subject to negative-feedback regulation by U-PA which cleaves it into an inactive form.
Research Articles on PLAUR	**1.** Levels of circulating cleaved soluble forms plasminogen activator urokinase receptor (DIIDIII-suPAR) in acute myeloid leukemia (AML) patients are higher as compared to controls and significantly decrease after the conditioning.
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