
Product Data Sheet

Product Name: PLAUR Human
 Cat. No.: GP24192
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	PLAUR; Monocyte Activation Antigen Mo3; U-PAR; UPAR; U-Plasminogen Activator Receptor Form 2; CD87 Antigen ; CD87; URKR; MO3.		
Amino Acid Sequence	LRCMQCKTNG DCRVEECALG QDLCRTTIVR LWEEGEELEL VEKSCETHSEKTNRTLSYRTG LKITSLTEVV CGLDLCNQGN SGRAVITYSRS RYLECISCGS SDMSCERGRH QSLQCRSPPEEQCLDVVTHWI QEGEEGRPKD DRHLRGCGYL PGCPGSNGFH NNDTFHFLKC CNTTKCNEGP ILELENLPQN GRQCYSCKGNSTHGCSSEET FLIDCRGPMN QCLVATGTHE PKNQSYMVRG CATASMCQHA HLGDAFSMNH IDVSCCTKSG CNHPDLDVQYRSGLEHHHHH H.		
Formulation	PLAUR protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

PLAUR is one of 2 activators which convert the extracellular zymogen plasminogen to plasmin, a serine protease involved in a various normal and pathological processes that require cell migration and/or tissue destruction. PLAUR protein is synthesized and released from cells as a single-chain proenzyme with narrow enzymatic activity and is converted to an active two-chain disulfide-linked active enzyme by plasmin and other specific proteinases.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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PLAUR produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 291 amino acids (23-305 a.a.) and having a molecular mass of 32.5kDa (Molecular size on SDS-PAGE will appear at approximately 40-57 kDa). PLAUR is fused to a8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

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