

Recombinant Human PLAUR Protein, His-tagged

Cat. No. PLAUR-472H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human PLAUR protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	335
Description	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.
Form	Lyophilized
Molecular Mass	32.1 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AA Sequence	MGHPPLLPLLLLHTCVPASWGLRCMQCKTNGDCRVEECALGQDLCRTTIVRLWEE GEELELVEKSCTHSEKTNRTLSYRTGLKITSLTEVVCGLDLCNQGNSSGRAVTYSRSR YLECISCGSSDMSRCERGRHQS LQCRSPREEQCLDVVTHWIEGEEGRPKDDRHLRG CGYLPGPCPGSNGFHNNDTFHFLKCCNTTKCNEGPILELENLPQNGRQCYSCKGNS THGCSSEETFLIDCRGPMNQCLVATGTHEPKNQSYMVRGCATASMCQHAHLGDAF SMNHIDVSCCTKSGCNHPDLVDVQYRSGAAPQPGPAHLSLTITLLMTARLWGGTLLW T
Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H ₂ O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name PLAUR plasminogen activator, urokinase receptor [Homo sapiens (human)]

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Official Symbol	PLAUR
Synonyms	PLAUR; plasminogen activator, urokinase receptor; urokinase plasminogen activator surface receptor; CD87; UPAR; URKR; urokinase type plasminogen activator (uPA) receptor; monocyte activation antigen Mo3; u-plasminogen activator receptor form 2; urokinase-type plasminogen activator (uPA) receptor; U-PAR;
Gene ID	5329
mRNA Refseq	NM_001005376
Protein Refseq	NP_001005376
MIM	173391
UniProt ID	Q03405

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