

Active Recombinant Full Length Human PLAUR Protein, C-Flag-tagged

Cat. No. PLAUR-338HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PLAUR Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Dimerization assay (confocal)

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Molecular Mass	34.6 kDa
AA Sequence	MGHPPLLPLLLLHTCVPASWGLRCMQCKTNGDCRVEECALGQDLCRTTIVRLWEE GEELELVEKSCTHS EKTNRTLSYRTGLKITSLTEVVCGLDLCNQGNSGRAVTYSRS RYLECISCGSSDMSCERGRHQS LQCRSP EEQCLDVVTHWIQEGEEGRPKDDRHL RGCGYLPGCPGSNGFHNNDTFHFLKCCNTTKCNEGPILELENLP QNGRQCYSCKG NSTHGCSSEETFLIDCRGPMNQCLVATGTHEPKNQSYMVRGCATASMCQHAHLGD AFSM NHIDVSCCTKSGCNHPDLDVQYRSGAAPQPGPAHLSLTITLLMTARLWGGTLLWTT RTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Secreted Protein
Protein Pathways	Complement and coagulation cascades
Full Length	Full L.

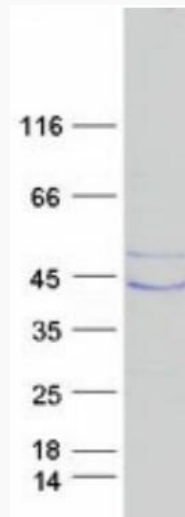
GENE INFORMATION

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Gene Name	PLAUR plasminogen activator, urokinase receptor [Homo sapiens (human)]
Official Symbol	PLAUR
Synonyms	CD87; UPAR; URKR; U-PAR
Gene ID	5329
mRNA Refseq	NM_002659.4
Protein Refseq	NP_002650.1
MIM	173391
UniProt ID	Q03405



Coomassie blue staining of purified PLAUR protein.

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