

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	<p>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.</p>
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	<p>MGHPPLLPLLLLLHTCVPASWGLRCMQCKTNGDCRVEECALGQDLCRTTIVRLWEE</p> <p>GEELELVEKSCTHS EKTNRRLSYRTGLKITSLTEVVCGLDLCNQGNSGRAVTYSRS</p> <p>RYLECISCSSDMSCERGRHQSLQCRSP EEQCLDVVTHWIQEGEEGRPKDDRHL</p> <p>RGCGYLPGPCPGSNGFHNNDTFHFLKCCNTTKCNEGPILELENLP QNGRQCYSCKG</p> <p>NSTHGCSSEETFLIDCRGPMNQCLVATGTHEPKNQSYMVRGCATASMCQHAHLGD</p> <p>AFSM</p> <p>NHIDVSCCTKSGCNHPDLDVQYRSGAAPQPGPAHLSLTITLLMTARLWGGTLLWTT</p> <p>RTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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.

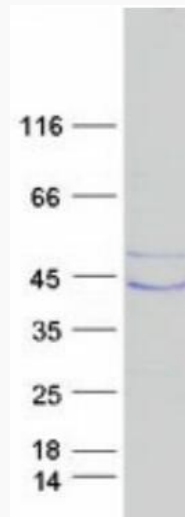
GENE INFORMATION

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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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