

# 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)

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

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

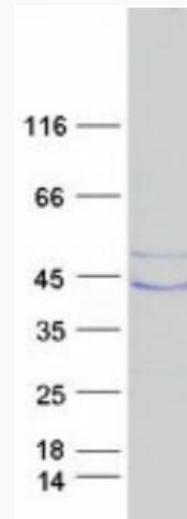
## GENE INFORMATION

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



Coomassie blue staining of purified PLAUR protein.

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