

# Recombinant Human PLAUR Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PLAUR-3942H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

PLAUR MS Standard C13 and N15-labeled recombinant protein (NP\_002650) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### 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.

### Molecular Mass

37 kDa

### AA Sequence

MGHPPLLPLLLLHTCVPASWGLRCMQCKTNGDCRVEECALGQDLCRTTIVRLWEE

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GEELELVEKSCTHSEKTNRTLSYRTGLKITSLTEVVCGLDLCNQNSGRAVTYSRSR  
 YLECISCGSSDMSCERGRHQSLQCRSPREEQCLDVVTHWIQEGEEGRPKDDRHLRG  
 CGYLPGPCGSNGFHNNDTFHFLKCCNTTKCNEGPILELENLPQNGRQCYSCKGNS  
 THGCSSEETFLIDCRGPMNQCLVATGTHEPKNQSYMVRGCATASMCQHAHLGDAF  
 SMNHIDVSCCTKSGCNHPDLVQYRSGAAPQP GPAHLSLTITLLMTARLWGGTLLW  
 TTRTRPLEQKLISEEDLAANDILDYKDDDDKV

<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

<b>Gene Name</b>	PLAUR plasminogen activator, urokinase receptor [ <i>Homo sapiens</i> (human) ]
<b>Official Symbol</b>	PLAUR
<b>Synonyms</b>	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;
<b>Gene ID</b>	5329

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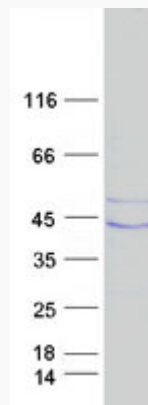
mRNA Refseq [NM\\_002659](#)

Protein Refseq [NP\\_002650](#)

MIM [173391](#)

UniProt ID [Q03405](#)

SDS-PAGE



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