

## Recombinant Human PLAUR Protein, His-tagged

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

### SPECIFICATION

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

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**AA Sequence**

MGHPPLLPLLLLHTCVPASWGLRCMQCKTNGDCRVEECALGQDLCRTTIVRLWEE  
 GEELELVEKSCTHSEKTNRTLSTYRTGLKITSLEVVCGLDLCNQGNSGRAVTYSRSR  
 YLECISCGSSDMSCERGRHQSLQCRSPREEQCLDVVTHWIQEGEEGRPKDDRHLRG  
 CGYLPGPCGSNGFHNNDTFHFLKCCNTTKCNEGPILELENLPQNGRQCYSCKGNS  
 THGCSSEETFLIDCRGPMNQCLVATGTHEPKNQSYMVRGCATASMCQHAHLGDFAF  
 SMNHIDVSCCTKSGCNHPDLVDVQYRSGAAPQPGPAHLSLTITLLMTARLWGGTLLW  
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**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<sub>2</sub>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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|                        |  |
|------------------------|--|
| <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   |
| <b>mRNA Refseq</b>     | NM_001005376   |
| <b>Protein Refseq</b>  | NP_001005376   |
| <b>MIM</b>             | 173391   |
| <b>UniProt ID</b>      | Q03405   |

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