

**HUMAN PLAUR PROTEIN, HIS TAG****Cat.#:** 11578**Product Name:** Human PLAUR Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** U-PAR;uPAR;CD87**Target:** PLAUR**UNIPROT ID:** Q03405**Description:** Recombinant human PLAUR protein with C-terminal 6xHis tag

**Background:** 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. [provided by RefSeq, Jul 2008]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 32.1 kDa after removal of the signal peptide. The apparent molecular mass of PLAUR-His is approximately 35-55 kDa due to glycosylation.

**Molecular Characterization:** PLAUR(Leu23-Arg303) 6×His tag

**Purity:** The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

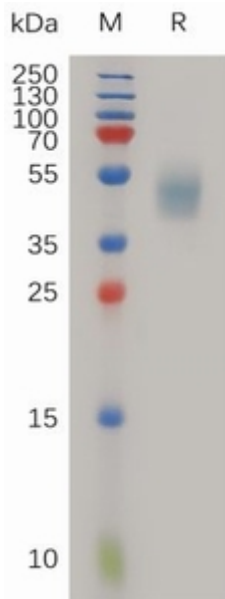


Figure 1. Human PLAUR Protein, His Tag on SDS-PAGE under reducing condition.