Data Sheet (Cat.No.TMPK-00228)

TargetMol

uPAR/PLAUR Protein, Human, Recombinant (hFc)

General Information

Synonyms:	U-PAR;PLAUR;uPAR;MO3;CD87
Protein Construction:	Leu23-Gly305
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q03405-1
Molecular Weight:	58.2 kDa (predicted). Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result.

QC Testing

Biological Activity:	Immobilized Human PLAU, His Tag at 0.5μg/ml (100μl/Well) on the plate. Dose response curve for Human uPAR, hFc Tag with the EC50 of 2.4ng/ml determined by ELISA.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).

Preparation and Storage

Stability & Storage:

It is recommended to store the product under sterile conditions at -70°C or lower. Samples are stable for up to 12 months at -80°C. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

The receptor (u-PAR) for urokinase plasminogen activator (u-PA) is a three-domain protein, GPI-anchored to the cell surface, which focuses the enzymatic activity of u-PA, and allows the cell surface activation of plasminogen. Regulation of the activity of u-PA is also mediated by u-PAR.

Reference

Blasi F. The urokinase receptor and cell migration. Semin Thromb Hemost. 1996;22(6):513-6. doi: 10.1055/s-2007-999053. PMID: 9122717.

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