

## CD316 Protein, Human, Recombinant (hFc)

### General Information

Synonyms:	KCT-4;EWI2;CD81P3;CD316;IGSF8;Glu-Trp-Ile EWI Motif-Containing Protein 2;CD81 Partner 3; Keratinocytes-Associated Transmembrane Protein 4;Immunoglobulin Superfamily Member 8; PGRL;KCT4;LIR-D1;EWI-2;Prostaglandin Regulatory-Like Protein
Protein Construction:	Arg28-Thr579
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q969P0
Molecular Weight:	90-120 KDa (reducing condition)
AA Sequence:	Arg28-Thr579

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4.

### Preparation and Storage

Reconstitution:	Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.
Stability & Storage:	Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots. <small>Actual storage temperature shall be subject to the COA.</small>
Shipping:	In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Immunoglobulin Superfamily Member 8 (IGSF8) is a single-pass membrane protein. IGSF8 contains four Ig-like C2 type domains. The Ig-like C2-type domains 3 and 4 are required for interactions with CD81. IGSF8 may regulate proliferation and differentiation of keratinocytes. IGSF8 may participate in the regulation of neurite outgrowth and maintenance of the neural network in the adult brain. It also may play a role on integrin-dependent morphology

and motility functions.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481