

## IGSF8 Protein, Human, Recombinant (His)

### General Information

Synonyms:	KCT-4;EWI2;PGRL;LIR-D1;EWI-2;CD81P3;immunoglobulin superfamily, member 8;CD316
Protein Construction:	A DNA sequence encoding the human IGSF8 (Q969P0-1) (Met1-Thr579) was expressed with a polyhistidine tag at the C-terminus. Predicted N terminal: Arg 28
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q969P0-1
Molecular Weight:	60 kDa (predicted); 63 kDa (reducing conditions)

### QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing 20 mM Tris, 100 mM NaCl, 10% glycerol, pH 8.0. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

### Preparation and Storage

#### Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

#### Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. 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.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Reference

Glazar AI, et al. (2009) Immunoglobulin superfamily member IgSF8 (EWI-2) and CD9 in fertilisation: evidence of distinct functions for CD9 and a CD9-associated protein in mammalian sperm-egg interaction. *Reprod Fertil Dev.* 21(2): 293-303.

Murdoch JN, et al. (2003) Genomic organization and embryonic expression of Igsf8, an immunoglobulin superfamily member implicated in development of the nervous system and organ epithelia. *Mol Cell Neurosci.* 22 (1): 62-74.

Zhang XA, et al. (2003) EWI2/PGRL associates with the metastasis suppressor KAI1/CD82 and inhibits the migration of prostate cancer cells. *Cancer Res.* 63 (10): 2665-74.

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