

## IGFLR1 Protein, Human, Recombinant (His)

### General Information

Synonyms:	IGFLR1;TMEM149;U2AF1L4;Transmembrane protein 149;IGF-like family receptor 1;U2 small nuclear RNA auxiliary factor 1-like 4
Protein Construction:	23-163 aa
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q9H665
Molecular Weight:	17.4 kDa (predicted)
AA Sequence:	SQYCGRLEYWNPDNKCCSSCLQRFPPPCPDYEFRENCGLNDHGDFVTPPFRKCSSGQCNPDGAE LCSPCG GGAVTPTPAAGGGRTPWRCRERPVPAKGHCPLTPGNPGAPSSQERSSPASSIAWRTPEPVPPQAWPNFLP

### QC Testing

Biological Activity:	Measured by its binding ability in a functional ELISA. Immobilized Human IGFLR1 at 2 µg/mL can bind Human IGFL1, the EC 50 is 32.33-47.52 ng/mL.
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 PBS, 6% Trehalose, pH 7.4

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in sterile deionized 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.

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.

### Protein Background

Probable cell membrane receptor for the IGF-like family proteins. Binds IGFL1 and IGFL3 with a higher affinity. May also bind IGFL2.

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