

Recombinant Human Tyrosine-protein kinase receptor UFO/Axl Protein

Catalog No.: RP00087 **Recombinant** **1 Publications**

Sequence Information

Species	Gene ID	Swiss Prot
Human	558	P30530

Tags

C-His

Synonyms

AXL;ARK;JTK11;Tyro7;UFO

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
45.94 kDa	70-80 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Background

The protein is a member of the Tyro3-Axl-Mer (TAM) receptor tyrosine kinase subfamily. The encoded protein possesses an extracellular domain which is composed of two immunoglobulin-like motifs at the N-terminal, followed by two fibronectin type-III motifs. It transduces signals from the extracellular matrix into the cytoplasm by binding to the vitamin K-dependent protein growth arrest-specific 6 (Gas6). This gene may be involved in several cellular functions including growth, migration, aggregation and anti-inflammation in multiple cell types. Alternative splicing results in multiple transcript variants of this gene.

Basic Information

Description

Recombinant Human Tyrosine-protein kinase receptor UFO/Axl Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Glu33-Pro449) of human Axl (Accession #NP_001690.2) fused with a 6×His tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human AXL at 2 μg/mL (100 μL/well) can bind Human Gas6 with a linear range of 1.22-5.49 ng/mL.

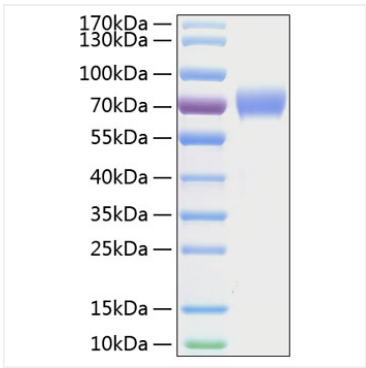
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

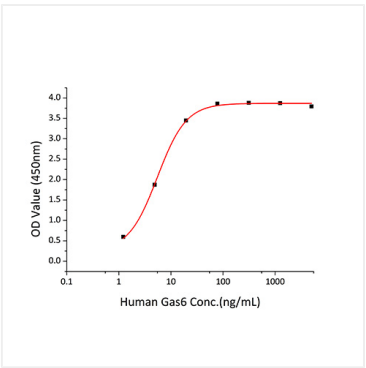
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human Tyrosine-protein kinase receptor UFO/Axl Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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