

Recombinant Human TYRO3 Protein

Catalog No.: RP00203 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	7301	Q06418

Tags

C-hFc&His

Synonyms

BYK; Dtk; Etk-2; RSE; Rek; Sky; Tif; TYRO3; Dtk; Etk-2; RSE; Rek; Sky; Tif

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
68.32 kDa	90-100 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

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Background

TYRO3, also known as Axl (Ufo, Ark), Dtk (Sky, Tyro3, Rse, Brt) and Mer (human and mouse homologues of chicken c-Eyk) constitute a new receptor tyrosine kinase subfamily. TYRO3 protein is activated by the products of the growth arrest-specific gene 6 and protein 5 genes and is involved in controlling cell survival and proliferation, spermatogenesis, immunoregulation and phagocytosis. TYRO3 has also been identified as a cell entry factor for Ebola and Marburg viruses.

Basic Information

Description

Recombinant Human TYRO3 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala41-Ser428) of human Tyro3/Dtk (Accession #NP_006284.2) fused with an Fc, 6×His tag at the C-terminus.

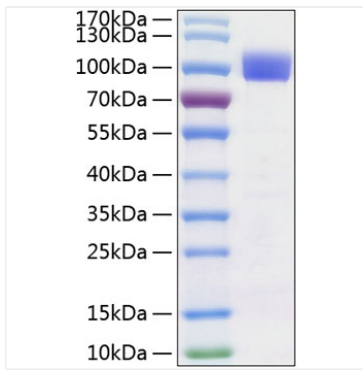
Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human Gas6 at 2 μg/mL (100 μL/well) can bind Human TYRO3 with a linear range of 0.1-5.6 ng/mL.

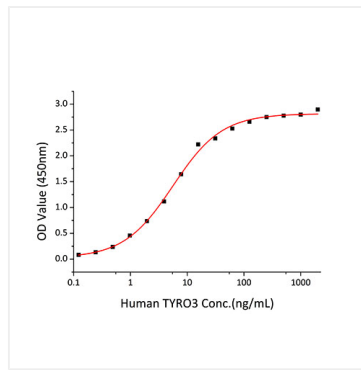
Storage

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 TYRO3 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 90-110 kDa.



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