

Recombinant Human TYRO3 Protein

Catalog No.: RP00203 Recombinant

Sequence Information

Species Human **Gene ID** 7301 **Swiss Prot** 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
HEK293 cells

Purification
≥ 95 % as
determined by SDS-
PAGE.

Calculated MW 68.32 kDa **Observed MW** 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 freeze-thaw cycles.

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 S 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.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

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.

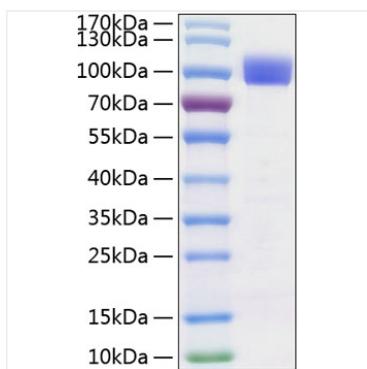
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

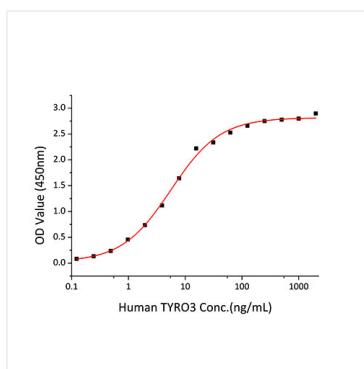
Contact

	400-999-6126
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Validation Data



Recombinant Human TYRO3 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Human Gas6 at 2 μ g/mL (100 μ L/well) can bind Human TYRO3 with a linear range of 0.1-5.6 ng/mL.