

Recombinant Human Tyrosine-protein kinase RYK /RYK Protein

Catalog No.: RP03241

Sequence Information

Species **Gene ID**
Human 6259

Swiss Prot **Tags**
P34925 C-hFc

Synonyms

Tyrosine-protein kinase RYK;
D3S3195; JTK5; JTK5A; RYK1

Product Information

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

Calculated MW **Observed MW**
49.1 kDa 55-65 kDa

Endotoxin

< 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.

Background

RYK is a coreceptor along with FZD8 of Wnt proteins, such as WNT1, WNT3, WNT3A and WNT5A. Involved in neuron differentiation, axon guidance, corpus callosum establishment and neurite outgrowth. In response to WNT3 stimulation, receptor C-terminal cleavage occurs in its transmembrane region and allows the C-terminal intracellular product to translocate from the cytoplasm to the nucleus where it plays a crucial role in neuronal development.

Basic Information

Description

Recombinant Human Tyrosine-protein kinase RYK/RYK Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Arg227) of Human Tyrosine-protein kinase RYK/RYK (Accession #NP_002949.2) fused with hFc tag at the C-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

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

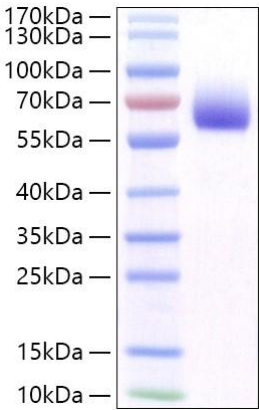
Contact

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Validation Data



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