Recombinant Human ALK-1/ACVRL1 Protein

Catalog No.: RP00978

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Sequence Information

Species
Human

Gene ID
94

Swiss Prot
P37023

Tags
C-His

Synonyms
ACVRL1,ACVRLK1,ALK-1,ALK1, HHT,HHT2,ORW2,SKR3,TSR-I, ALK-1, ALK1, HHT, HHT2, ORW2, SKR3, TSR-I

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
11.55 kDa

Observed MW
25-30 kDa

Endotoxin
Please contact us for more information.

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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

This protein is a type I cell-surface receptor for the TGF-beta superfamily of ligands. It shares with other type I receptors a high degree of similarity in serine-threonine kinase subdomains, a glycine- and serine-rich region (called the GS domain) preceding the kinase domain, and a short C-terminal tail. The protein, sometimes termed ALK1, shares similar domain structures with other closely related ALK or activin receptor-like kinase proteins that form a subfamily of receptor serine/threonine kinases.

Basic Information

Description
Recombinant Human ALK-1 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Asp22-Gln118) of human ALK-1 (Accession #NP_000011.2) fused with a 6×His tag at the C-terminus.

Activity
Measured by its binding ability in a functional ELISA. Immobilized Human ALK-1 at 4 μg/mL (100 μL/well) can bind Human ACVR2B with a linear range of 0.08-2.4 μg/mL.

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℃

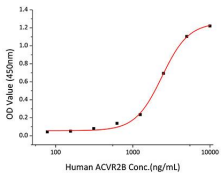
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

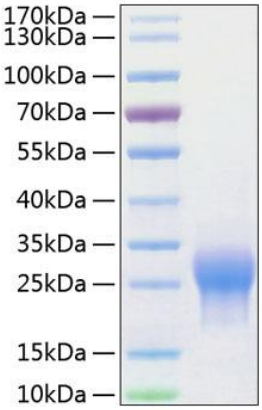
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Validation Data



Immobilized Human ALK-1 at 4μg/mL (100 μL/well) can bind Human ACVR2B with a linear range of 0.08-2.4μg/mL.



Recombinant Human ALK-1/ACVRL1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.