

**Catalog No.: RP00978** **Recombinant**

Species	Gene ID	Swiss Prot
Human	94	P37023

C-His

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

<b>Source</b>	<b>Purification</b>
HEK293 cells	≥ 95 % as determined by SDS-PAGE

Calculated MW	Observed MW
11.55 kDa	25-30 kDa

Please contact us for more information.

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

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.

 | 400-999-6126

 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

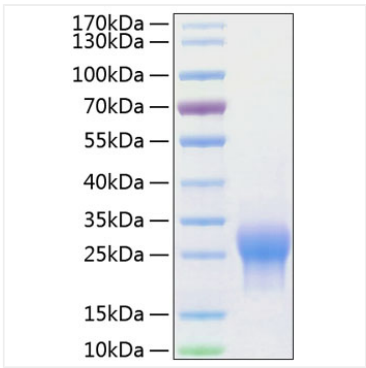
This protein is a type I cell-surface receptor for the TGF-beta superfamily of ligands. It shares with other type I receptors a high degree of similarity in serine-threonine kinase subdomains, a glycine- and serine-rich region (called the GS domain) preceding the kinase domain, and a short C-terminal 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.

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.

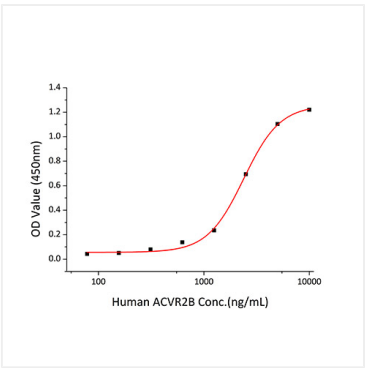
Measured by its binding ability in a functional ELISA. Immobilized Human ALK-1 at 4 µg/mL (100 µL/well) can bind Human ACVR2B with a linear range of 0.08-2.4 µg/mL.

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



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