Recombinant Human ALK-1/ACVRL1 Protein (Fc Tag)

Catalog Number: PKSH033782

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

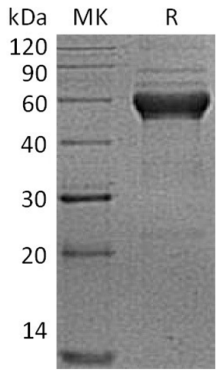
Description

Species	Human
Source	HEK293 Cells-derived Human ALK-1;ACVRL1 protein Asp22-Gln118, with an C-terminal Fc
Calculated MW	37.6 kDa
Observed MW	50-65 kDa
Accession	P37023
Bio-activity	Not validated for activity

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

Background

Activin Receptor-Like Kinase 1 (ALK-1) is a type I cell-surface receptor for the TGF-βsuperfamily of ligands. ALK-1 has a high degree of similarity in serine-threonine kinase subdomains, a glycine and serine rich region preceding the kinase-domain, and a C-terminal tail with other activin receptor-like kinase proteins. The mutations of ALK-1 are associated with Rendu-Osler-Weber syndrome 2, this suggests ACVRL1 is associated with blood vessel development and repair.