Recombinant Protein Technical Manual

Recombinant Human ALK/ACVRL1 Protein (Fc Tag)

RPES4895

Product Data:

Product SKU: RPES4895

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P37023

Protein Information:

Molecular Mass: 37.6 kDa

AP Molecular Mass: 50-60 kDa

Tag: C-Fc

Bio-activity:

Purity: > 90% as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized protein should be stored at < -20℃, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7℃ 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.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Serine/Threonine-Protein Kinase Receptor R3; SKR3; Activin Receptor-Like Kinase 1; ALK; TGF-B Superfamily Receptor Type I; TSR-I; ACVRL1; ACVRLK1; ALK1;HHT;HHT2;ORW2;SKR3

Immunogen Information:

Sequence: Asp22-Gln118

Background:

Activin Receptor-Like Kinase 1 (ALK) is a type I cell-surface receptor for the TGF-βsuperfamily of ligands. ALK 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 are associated with Rendu-Osler-Weber syndrome 2, this suggests ACVRL1 is associated with blood vessel development and repair.