

ALK-1 Protein, Human, Recombinant (Baculovirus, His)

General Information

Synonyms:	ACVRLK1;TGF-B superfamily receptor type I (TSR-I);ACVRL1;Serine/threonine-protein kinase receptor R3 (SKR3);ALK1;Activin receptor-like kinase 1 (ALK-1);Activin receptor type-1-like
Protein Construction:	22-118 aa
Species:	Human
Expression Host:	Baculovirus Insect Cells
Accession:	P37023
Molecular Weight:	11.5 kDa (Predicted)
AA Sequence:	DPVKPSRGPLVTCTCESPHCKGPTCRGAWCTVVLVREEGRHPQEHRGCGNLHRELCRGRPTEFVNHYCCDSH LCNHNVSLVLEATQPPSEQPGTDGQ

QC Testing

Biological Activity:	Measured by its binding ability in a functional ELISA. Immobilized Human ACVRL1 at 2 µg/mL can bind Anti-ACVRL1 recombinant antibody(CSB-RA001262MA1HU), the EC50 is 2.417-2.971 ng/mL.
Purity:	>95% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a 0.2 µm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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