

Product datasheet for **AR51960PU-N**

ACVRL1 / ALK1 (22-118, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	ACVRL1 / ALK1 (22-118, His-tag) human protein, 0.25 mg
Species:	Human
Expression Host:	Insect
Expression cDNA Clone or AA Sequence:	DPVKPSRGPL VTCTCESPHC KGPTCRGAWC TWLVREEGR HPQEHRGCGN LHRELCRGRP TEFVNHYCCD SHLCNHNVSL VLEATQPPSE QPGTDGQHHH HHH
Tag:	His-tag
Predicted MW:	11.5 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Endotoxin:	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation:	Liquid purified protein
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000011
Locus ID:	94
UniProt ID:	P37023 , A0A0S2Z310
Cytogenetics:	12q13.13
Synonyms:	ACVRLK1; ALK-1; ALK1; HHT; HHT2; ORW2; SKR3; TSR-I



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Summary:

This gene encodes 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 encoded 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. Mutations in this gene are associated with hemorrhagic telangiectasia type 2, also known as Rendu-Osler-Weber syndrome 2. [provided by RefSeq, Jul 2008]

Protein Families:

Druggable Genome, Protein Kinase, Transmembrane

Protein Pathways:

Cytokine-cytokine receptor interaction, TGF-beta signaling pathway

Product images: