

Product datasheet for PH313389

ACVRL1 (NM_001077401) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ACVRL1 MS Standard C13 and N15-labeled recombinant protein (NP_001070869)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213389
Predicted MW:	56.1 kDa
Protein Sequence:	>RC213389 protein sequence Red=Cloning site Green=Tags(s)

MTLGSPRKGLMLLMALVTQGDVPKPSRGPLVTCTCESPHCKGPTCRGAWCTVVLVREEGRHPQEHRGCG
NLHRELCRGRPTEFVNHYYCCDSLCHNHVSLVLEATQPPSEQPGTDGQLALILGPVLALLALVALGVLGL
WHVRRRQEKQRGLHSELGESSLILKASEQGDSMLGDLDSDC TTGSGSGLPFLVQRTVARQVALVECVGK
GRYGEVWRGLWHGESVAVKIFSSRDEQSWFRETEIYNTVLLRHDNILGFIASDMTSRNSSTQLWLITHYH
EHGSLYDFLQRQTLEPHLALRLAVSAACGLAHLHVEIFGTQGKPAIAHRDFKSRNVLKSNLQCCIADLG
LAVMHSQGS DYLDIGNNPRVGTKRYMAPEVLDEQIRTDCFESYKWTDIWAFGLVLWEIARRTIVNGIVED
YRPPFYDVPNDPSFEDMKKVVCDQQTPTIPNRLAADPVL SGLAQMMRECWYPNPSARLTALRIKKT LQ
KISNSPEKPKVIQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001070869</u>
RefSeq Size:	4126
RefSeq ORF:	1509



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

Locus ID: 94

UniProt ID: [P37023](#), [A0A0S2Z310](#)

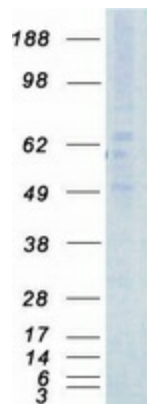
Cytogenetics: 12q13.13

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:



Coomassie blue staining of purified ACVRL1 protein (Cat# [TP313389]). The protein was produced from HEK293T cells transfected with ACVRL1 cDNA clone (Cat# [RC213389]) using MegaTran 2.0 (Cat# [TT210002]).