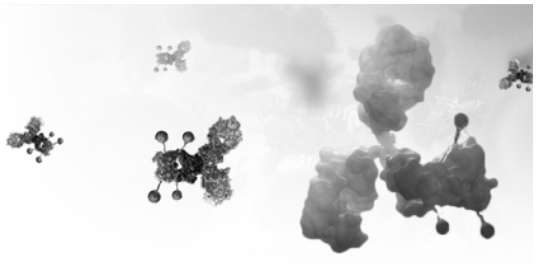

Human ACVRL1 peptide (DAG-P0100)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. TGFB receptor subfamily.Contains 1 GS domain.Contains 1 protein kinase domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	ACVRL1 activin A receptor type II-like 1 [Homo sapiens (human)]
Official Symbol	ACVRL1
Synonyms	ACVRL1; activin A receptor type II-like 1; HHT; ALK1; HHT2; ORW2; SKR3; ALK-1; TSR-I; ACVRLK1; serine/threonine-protein kinase receptor R3; TGF-B superfamily receptor type I;

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	activin A receptor, type II-like kinase 1;
Entrez Gene ID	94
mRNA Refseq	NM_000020.2
Protein Refseq	NP_000011.2
UniProt ID	P37023
Chromosome Location	12q13.13
Pathway	ALK1 pathway, organism-specific biosystem; ALK1 signaling events, organism-specific biosystem; Id Signaling Pathway, organism-specific biosystem; TGF-beta Receptor Signaling Pathway, organism-specific biosystem;
Function	ATP binding; SMAD binding; activin binding; activin receptor activity, type I; contributes_to activin receptor activity, type I; metal ion binding; protein binding; protein kinase binding; protein serine/threonine kinase activity; receptor signaling prote

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