

Product Information

MemDX™ Membrane Protein Human ACVRL1 (Activin A receptor like type 1) Expressed in NS0 for Antibody Discovery, Partial (22-118aa)

Cat. No.: **MPX0266K**

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

This product is a 37.3 kDa Human ACVRL1 membrane protein expressed in NS0. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

ACVRL1

Protein Length

Partial (22-118aa)

Protein Class

Transferase

Molecular Weight

37.3 kDa

TMD

1

Sequence

DPVKPSRGPLVTCTCESPHCKGPTCRGAW
CTVVLVREEGRHPQEHRCGCGNLHRELCRGRPTEFVNHYCCDSHLCNHNVS
LVLEATQPPSEQPGTDGQ

Product Description

Expression Systems

NS0

Tag

hIgG1 Fc tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 100 µg/mL in sterile PBS.

Endotoxin

<0.10 EU per 1 µg of the protein by the LAL method.

Purity

>90%, by SDS-PAGE under reducing conditions and visualized by silver stain

Buffer

Lyophilized from a 0.2 µm filtered solution in PBS.

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

ACVRL1

Full Name

Activin A receptor like type 1

Introduction

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.

Alternative Names

ACVRL1; HHT; ALK1; HHT2; ORW2; SKR3; ALK-1; TSR-I; ACVRLK1; serine/threonine-protein kinase receptor R3; TGF-B superfamily receptor type I; activin A receptor type II-like 1; activin A receptor type IL; activin A receptor, type II-like kinase 1; Activin A receptor like type 1

Gene ID

[94](#)

UniProt ID

[P37023](#)