

Product Information

MemDX™ Membrane Protein Human ACVRL1 (Activin A receptor like type 1) for Antibody

Discovery

Cat. No.: **MP1105J**

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

This product is a 55.9 kDa Human ACVRL1 membrane protein expressed in HEK293T. 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

Full-length

Protein Class

Druggable Genome, Protein Kinase, Transmembrane

Molecular Weight

55.9 kDa

TMD

1

Sequence

MTLGSPRKGLLMLLMALVTQGDPVKPSRGPLVTCTCESPHCKGPTCRGAWCTVVLVREEGRHPQEHRGCG
NLHRELCRGRPTEFVNHYCCDSHLCNHNVSLEATQPPSEQPGTDGQLALILGPVLALLALVALGVLGL
WHVRRRQEKQRGLHSELGESSLILKASEQGD SMLGDLLDSDCTTGSGSGLPFLVQRTVARQVALVECVGK
GRYGEVWRGLWHGESVAVKIFSSRDEQSWFRETEIYNTVLLRHDNILGFASDMTSRNSSTQLWLITHYH
EHGSLYDFLQRQTLEPHLALRLAVSAACGLAHLHVEIFGTQGKPAIAHRDFKSRNVLVKSNLQCCCIADLG
LAVMHSQGS DYLDIGNNPRVGT KRYMAPEVLDEQIRTD CFESYKWTDIWAFGLVLWEIARRTIVNGIVED
YRPPFYDVVPNDPSFEDMKKVVCVDQQTPTIPNRLAADPVL SGLAQMMRECWYPNPSARLTALRIKKT LQ
KISNSPEKPKVIQ

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

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

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

Gene ID

[94](#)

UniProt ID

[P37023](#)