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Product Information

MemDX™ Membrane Protein Human KREMEN2 (Kringle containing transmembrane protein 2)

Cat. No.: **MP0119J**
This product is for research use only and is not intended for diagnostic use.

This product is a 42.3 kDa Human KREMEN2 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
KREMEN2

Protein Length
Full-length

Protein Class
Druggable Genome, Transmembrane

Molecular Weight
42.3 kDa

TMD
1

Sequence
MGTQALQGFLFLLFLPLLQPRGASAGSLHSPGLSECFQVNGADYRGHQNRTGPRGAGRPCLFWDQTQQHS
YSSASDPHGRWGLGAHNFCRNPDGDVQPWCYVAETEEGIYWRYCDIPSCHMPGYLGCFVDSGAPPALSGP
SGTSTKLTVQVCLRFCRMKGYQLAGVEAGYACFCGSESDLARGRLAPATDCDQICFGHPGQLCGGDGRLG
VYEVSVGSCQGNWTAPQGVIYSPDFPDEYGPDRNCSWALGPPGAALELTFRLFELADPRDRLELRDAASG
SLLRAFDGARPPPSGPLRLGTAALLLTFRSDARGHAQGFALTYRGLQDAAEDPEAPEGSAQTPAAPLDGA
NVSCSPRPGAPPAAIGGAVCWLREKGPRRWGLPGAPGEAGLCGTNSPEGWPCPAPPGTPRLRVLPRATGL

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

KREMEN2

Full Name

Kringle containing transmembrane protein 2

Introduction

This gene encodes a high-affinity dickkopf homolog 1 (DKK1) transmembrane receptor. A similar protein in mouse functions interacts with with DKK1 to block wingless (WNT)/beta-catenin signaling. The encoded protein forms a ternary membrane complex with DKK1 and the WNT receptor lipoprotein receptor-related protein 6 (LRP6), and induces rapid endocytosis and removal of LRP6 from the plasma membrane. It contains extracellular kringle, WSC, and CUB domains. Alternatively spliced transcript variants encoding distinct isoforms have been observed for this gene.

Alternative Names

KRM2; dickkopf receptor 2; kringle domain-containing transmembrane protein 2; kringle-containing protein marking the eye and the nose

Gene ID

79412

UniProt ID

Q8NCW0