

Product Information

MemDX™ Membrane Protein Human LRP6 (LDL receptor related protein 6) Expressed in NS0 for Antibody Discovery, Partial (20-1368aa)

Cat. No.: **MPX0068K**

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

This product is a 180 kDa Human LRP6 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

LRP6

Protein Length

Partial (20-1368aa)

Protein Class

Receptor

Molecular Weight

180 kDa

TMD

1

Sequence

APLLLYANRRDLRLVDATNGKENATIVVGGL
EDAAAVDFVFSHGLIYWSDVSEEAIKRTEFNKTESVQNVVVSGLLSPDGL
ACDWLGEKLYWTDSETNRIEVSNLDGSLRKVLFWQELDQPRALDPPSSG
FMYWTDWGEVPKIERAGMDGSSRFIIINSEIYWPNGLTLDYEEQKLYWAD
AKLNFHKSNDGTNRQAVVKGSLPHPFALTLFEDILYWTDWSTHSILAC
NKYTGEGLREIHSDIFSPMDIHAFSQQRQPNATNPCGIDNGGCSHLCLMS
PVKPFYQCACPTGVKLLENGKTCKDGATELLLLARRTDLRRISLDTPDFT
DIVLQLEDIRHAIADYDPVEGYIYWTDDEVRAIRRSFIDGSGSQFVTA
QIAHPDGIADVWVARNLYWTDGTDRIEVTRLNGTMRKILISEDLEEPRA
IVLDPVMGYMYWTDWGEIPKIERAALDGSDRVVLVNTSLGWPNGLALDYD
EGKIYWGDAKTDKIEVMNTDGTGRRVLVEDKIPHIFGFTLLGDYVYWTDW
QRRSIERVHKRSAEREVIIDQLPDLMLGKATNVHRVIGSNPCAENGCS
HLCLYRPQGLRCACPIGFELISDMKTCIVPEAFLLFSRRADIRRISLETN
NNNVAIPLTGVEASALDFDVTDNRIYWTDISLKTISRAFMNGSALEHVV
EFGLDYPEGMAVDWLGNLYWADTGTNRIEVSCLDGQHRQVLVWKDLDSP
RALALDPAEGFMYWTEWGGKPKIDRAAMDGSERTTLVPNVGRANGLTIDY
AKRRLYWTDLDTNLISSNMLGLNREVIADDLPHPFGLTQYQDYIYWTDW
SRRSIERANKTSGQNRTIIQGHLDYVMDILVFHSSRQSGWNECASSNGHC
SHLCLAVPVGGFVCGCPAHYSLNADNRTCSAPTTFLFSQKSAINRMVID

EQQSPDIILPIHSLRNVRAIDYDPLDKQLYWIDSRQNMIRKAQEDGSQGF
TVVVSSVPSQNLEIQPYDLSIDIYSRYIYWTCEATNVINVTRLDGRSVGV
VLKGEQDRPRAVVVNPEKGYMYFTNLQERSPKIERAALDGTREVLFFSG
LSKPIALALDSRLGKLFWADSDLRRIESSDLSGANRIVLEDSNILQPVGL
TVFENWLYWIDKQQQMIEKIDMTGREGRTKVQARIAQLSDIHAVKELNLQ
EYRQHPCAQDNGGCSHICLVKGDGTTRCSCPMHLVLLQDELSCGEPPTCS
PQQFTCFTGEIDCIPVAWRCDGFTECEDHSDELNCPVCSESQFQCASGQC
IDGALRCNGDANCQDKSDEKNCEVLCLIDQFRCANGQCIGKHKKCDHNVD
CSDKSDELDCYPTTEEPAP

Product Description

Expression Systems

NS0

Tag

hIgG1 Fc tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 200 µg/mL in sterile PBS.

Endotoxin

<0.1 EU/µg by the LAL method

Purity

>80%, 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

LRP6

Full Name

LDL receptor related protein 6

Introduction

This gene encodes a member of the low density lipoprotein (LDL) receptor gene family. LDL receptors are transmembrane cell surface proteins involved in receptor-mediated endocytosis of lipoprotein and protein ligands. The protein encoded by this gene functions as a receptor or, with Frizzled, a co-receptor for Wnt and thereby transmits the canonical Wnt/beta-catenin signaling cascade. Through its interaction with the Wnt/beta-catenin signaling cascade this gene plays a role in the regulation of cell differentiation, proliferation, and migration and the development of many cancer types. This protein undergoes gamma-secretase dependent RIP- (regulated intramembrane proteolysis) processing but

the precise locations of the cleavage sites have not been determined.

Alternative Names

ADCAD2; STHAG7; low-density lipoprotein receptor-related protein 6; LRP-6; LRP6; LDL receptor related protein 6

Gene ID

[4040](#)

UniProt ID

[Q75581](#)