

Product Information

MemDX™ Membrane Protein Human LRP6 (LDL receptor related protein 6) for Antibody

Discovery

Cat. No.: **MP0653J**

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

This product is a 178.4 kDa Human LRP6 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

LRP6

Protein Length

Full-length

Protein Class

Druggable Genome, Transmembrane

Molecular Weight

178.4 kDa

TMD

1

Sequence

MGAVLRSLACSFVLLRAAPLLLYANRRDLRLVDATNGKENATIVVGGLEDAAAVDFVFSHGLIYWSDV
SEEAIRTEFNKTESVQNVVVSGLLSPDGLACDWLGEKLYWTDSETNRIEVSNLDGSLRKVLFWQELDQP
RAIALDPSSGFMYWTDWGEVPKIERAGMDGSSRFIIINSEIYWPNGLTLDYEEQKLYWADAKLNFIHKS
LDGTNRQAVVKGSLPHPFALTLEFIDILYWTDWSTHSILACNKYTGEGLREIHSDIFSPMDIHAFSQQRQP
NATNPCGIDNGGCSHLCLMSPVKPFYQCACPTGVKLENGKTCKDGATELLLLARRDRLRRISLDTDPDT
DIVLQLEDIRHAIADIDPVEGYIYWTDDEVRAIRRSFIDGSGSQFVVTAQIAHPDGIADVWVARNLYWT
DTGTDRIEVRTLNGTMRKILISEDLEEPRAIVLDPVMGYMYWTDWGEIPKIERAALDGSDRVVLVNTSLG
WPNGALDYDEGKIYWGDAKTDKIEVMNTDGTGRRVLVEDKIPHFIFTLLGDYVYWTDWQRRSIRVHK
RSAEREVIIDQLPDLMLGLKATNVHRVIGSNPCAENGCGSHLCLYRPQGLRCACPIGFELISDMKTCIVP
EAFLLFSRRADIRRISETNNNNVAIPLTGVKEASALDFDVTDNRIYWTDISLKTISRFAFMNGSALEHVV
EFGLDYPEGMAVDWLGNLYWADTGTNRIEVSCLDGQHRQVLVWKDLSPRALALDPAEGFMYWTEWGGK
PKIDRAAMDGSERTTLVPNVGRANGLTIDYAKRRLYWTDLDTNLISSNMLGLNREVIADDLPHPFGLTQ
YQDYIYWTDWSRRSIERANKTSGQNRTIIQGHLDYVMDILVFHSSRQSGWNECASSNGHCSHLCLAVPVG
GFVCGCPAHYSLNADNRTCSAPTTFLFSQKSAINRMVIDEQQSPDIILPIHSLRNVRAIDYDPLDKQLY
WIDSRQNMIRKAQEDGSQGFTVVVSSVPSQNLEIQPYDLSIDIYSRYIYWTCEATNVINVTSLDGRSVGV
VLKGEQDRPRAIVVNPEKGYMYFTNLQERSPKIERAALDGTREVLFFSGLSKPIALALDSRLGKLFWAD
SDLRRIESSDLSGANRIVLEDSNQLQPVGLTVFENWLYWIDKQQQMIEKIDMTGREGRTKVQARIAQLSD
IHAVKELNLQEYRQHPCAQDNGGCSHICLVKGDGTTRCSCPMHLVLLQDELSCGEPPTCSPQQFTCFTGE
IDCIPVAWRCDGFTECEDHSDLELNCPVCSESQFQCASGQCIDGALRCNGDANCQDKSDEKNCEVLCLIDQ

FRCANGQCIGKHKKCDHNVDCSDKSDELDCTEPAQATNTVGSVIGVIVTIFVSGTVYFICQRMLCP
RMKGDGETMTNDYVHGPASVPLGYVPHPSLSGSLPGMSRGKSMISLSIMGGSSGPPYDRAHVTGASS
SSSSSTKGTYPAILNPPSPATERSHYTMEFGYSSNSPSTHRSYSYRPYSYRHFAPPTTPCSTDVCDSD
YAPSRRTSVATAKGYTSDLNYDSEVPVPPPTPRSQYLSAEENYESCPPSPYTERSYSHHLYPPPPSPCT
DSS

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

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

Gene ID

[4040](#)

UniProt ID

[O75581](#)