

Product Information

MemDX™ Membrane Protein Human LRP6 (LDL receptor related protein 6) Full Length

Cat. No.: **MPC0652K**

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

This product is a 180.4 kDa Human LRP6 membrane protein expressed in HEK293. 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

Receptor

Molecular Weight

180.4 kDa

TMD

1

Sequence

MGAVLRSLLACSFVLLRAAPLLLYANRRDLRLVDATNGKENATIVVGGLEDAAAVDVFVSHGLIYWSVDVSEEAIKRTEFNKTESVQNVVVSGLLSPDGLACDWLGEKLYWTDSETNRIEVSNDGSLRKVLFWQELDQPRAIALDPSSGFMYWTDWGEVPIKIERAGMDGSSRFIIINSEIYWPNGLTLDYEEQKLYWADAKLNFIHKSNDGTNRQAVVKGSLPHPFALTTFEDILYWTDWSTHSILACNKYTGEGLREIHSDIFSPMDIHAFSQQRQPNATNPGIDNNGCASHLCLMSPVKPFYQCACPTGVKLLKENGKTCKDGATELLLLARRTDLRRISLDTPDFTDIVLQLEDIRHAIADYDPVEGYIYWTDDEVRAIRRSFIDGSGSQFVTAQIAHPDGIADVWVARNLYWTDGTDRIEVTRLNGTMRKILISEDLEEPRAIVLDPMVGYMYWTDWGEIPKIERAALDGSDRVVLVNTSLGWPNGLALDYDEGKIYWGDAKTDKIEVMNTDGTGRRVLVEDKIPHFIFTLLGDYVYWTDWQRRSIEVHKRSAEREVIIDQLPDLMLKATNVHRVIGSNPCAENGSGCSHLCLYRPQGLRCACPIGFELISDMKTCIVPEAFLLFSRRADIRRISLETNNNNVAIPLTGVEASALDFDVTNRIYWTDISLKTISRPFMNGSALEHVEFGLDYPEGMAVDWLKGNLYWADTGTNRIEVSCLDGQHRQVLVWKDLDSPRALALDPAEGFMYWTEWGGKPKIDRAAMDGSERTTLVNVGRANGLTIDYAKRRLYWTDLDTNLISSNMLGLNREVIADDLPHPFGLTQYQDYIYWTDWSRRSIERANKTSGQNRTIIQGHLDYVMDILVFHSSRQSGWNECASSNGHCSHLCLAVPVGGFVCGCPAHYSLNADNRTCSAPTTFLFSQKSAINRMVIDEQQSPDIILPIHSLRNVRADYDPLDKQLYWIDSRQNMIRKAQEDGSQGF TVVVSSVPSQNLEIQPYDLSIDIYSRYIYWTCEATNVINVTRLDGRSVGV

VLKGEQDRPRAVVVNPEKGYMYFTNLQERSPKIERAALDGTEREVLFFSG
LSKPIALALDSRLGKLFWADSDLRRIESSDLSGANRIVLEDSNILQPVGL
TVFENWLYWIDKQQQMIEKIDMTGREGR TKVQARIAQLSDIHAVKELNLQ
EYRQHPCAQDNGGCSHICLVKGDGTTRCSCPMHLVLLQDELSCGEPPTCS
PQQFTCFTGEIDCIPVAWRCDGFTECEDHSDELNCPVCSESQFQCASGQC
IDGALRCNGDANCQDKSDEKNCVLCIDQFRCANGQCIGKHKKCDHNVD
CSDKSDELDCYPTEEPAPQATNTVGSVIGVIVTIFVSGTVYFICQRMCLP
RMKGDGETMTNDYVVHGPASVPLGYVPHPSLSGSLPGMSRGKSMISLS
IMGGSSGPPYDRAHVTGASSSSSSSTKGTYPAILNPPSPATERSHYTM
EFGYSSNSPSTHRFSYRPPSYRHFAPPTTPCSTDVCDSDYAPSRRTSV
ATAKGYTSDLNYDSEPVPPTPRSQYLSAEENYESCPPSPYTERSYSHH
LYPPPPSPCTDSS

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

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](#)