

Product Information

MemDX™ Membrane Protein Human RET (Ret proto-oncogene) Full Length

Cat. No.: **MPC1632K**

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

This product is a 124.3 kDa Human RET 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

RET

Protein Length

Full length

Protein Class

Cell adhesion

Molecular Weight

124.3 kDa

TMD

1

Sequence

MAKATSGAAGLRLLLLLLLLPLLGKVALGLYFSRDAYWEKLYVDQAAGTPL
LYVHALRDAPEEVPSFRLGQHLYGTYRTRLHENNWICIQEDTGLLYLNRS
LDHSSWEKLSVRNRGFPLLTVYLKVFLSPTSLREGEQWPGCARVYFSFF
NTSFACSSSLKPRELCFPETRPSFRIENRPPGTFHQFRLLPVQFLCPNI
SVAYRLLEGEGLPFRCAPDSLEVSTRWALDREQREKYELVAVCTVHAGAR
EEVVMVPFPVTVYDEDDSAPTFPAGVDTASAVVEFKRKEDTVVATLRVFD
ADVVPASGELVRRYTSTLLPGDTWAQQTFRVEHWPNETSVQANGSFVRAT
VHDYRLVLNRNLSISENRTMQLAVLVNDSDFQGPAGVLLLHFNVSVPV
SLHLPSTYSLSVRRARRFAQIGKVCVENCQAFSGINVQYKLHSSGANCS
TLGVVTS AEDTSGILFVN DTKALRRPKCAELHYMVVATDQQT SRQAQAL
LVTVEGSYVAEEAGCPLSCAVSKRRLECEECGGLGSPTGRCEWRQGDGKG
ITRNFSTCSPSTKTCPDGHCDVVETQDINICPQDCLRGSI VGGHEPGEPR
GIKAGYGT CNCFPEEEKCFCEPEDIQDPLCDEL CRTVIAAAVLFSFIVSV
LLSAFCIHCYHKFAHKPPISSAEMTFRRPAQAFVSYSSSGARRPSLDSM
ENQVSVD AFKILEDPKWEFPRKNLVLGKTLGEGEF GKVVKATAFHLKGRA
GYTTVAVKMLKENASPS ELRDLLSEFNVLKQVNHPHVIKLYGACSQDGPL
LLIVEYAKYGS LRGFLRESRKVGPGYLGSGGSRNSSSLDHPDERALTMGD
LISFAWQISQGMQYLAEMKLVRDLAARNILVAEGRKMKISDFGLSRDVY
EEDSYVKRSQGRIPVKWMAIESLFDHIYTTQSDVWSFGVLLWEIVTLGGN
PYPGIPPERLFNLLKTGHRMERPDNCSEEMYRLMLQCWKQEPDKRPVFAD
ISKDLEKMMVKRRDYDLAASTPSDSL IYDDGLSEEETPLVDCNNAPLPR

ALPSTWIENKLYGMSDPNWPGESPVPLTRADGTNTGFPRYPNDSVYANWM
LSPSAAKLMDTFDS

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

RET

Full Name

Ret proto-oncogene

Introduction

This gene encodes a transmembrane receptor and member of the tyrosine protein kinase family of proteins. Binding of ligands such as GDNF (glial cell-line derived neurotrophic factor) and other related proteins to the encoded receptor stimulates receptor dimerization and activation of downstream signaling pathways that play a role in cell differentiation, growth, migration and survival. The encoded receptor is important in development of the nervous system, and the development of organs and tissues derived from the neural crest. This proto-oncogene can undergo oncogenic activation through both cytogenetic rearrangement and activating point mutations. Mutations in this gene are associated with Hirschsprung disease and central hypoventilation syndrome and have been identified in patients with renal agenesis.

Alternative Names

RET; PTC; MTC1; HSCR1; MEN2A; MEN2B; CDHF12; CDHR16; RET-ELE1; proto-oncogene tyrosine-protein kinase receptor Ret; RET receptor tyrosine kinase; cadherin family member 12; cadherin-related family member 16; proto-oncogene c-Ret; rearranged during transfection; ret proto-oncogene (multiple endocrine neoplasia and medullary thyroid carcinoma 1, Hirschsprung disease); Ret proto-oncogene

Gene ID

[5979](#)

UniProt ID

[P07949](#)