

Product Information

MemDX™ Membrane Protein Human RETREG1 (Reticulophagy regulator 1)

Cat. No.: **MP0249J**

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

This product is a 39.1 kDa Human RETREG1 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

RETREG1

Protein Length

Full-length

Protein Class

Transmembrane

Molecular Weight

39.1 kDa

TMD

4

Sequence

MPEGEDFGPGKSWEVINSKPDERPRLSHCIAESWMNFSIFLQEMSLFKQQSPGFCLLVC
SVCTFFTILGSYIPGVILSYLLLLCAFLCPLFKCNDIGQKISKIVSLLKLDFIGIGEYI
NQKKRERSEADKEKSHKDDSELDFSALCPKISLTVAAKELSVSDTDVSEVSWTDNGTFNL
SEGYTPQTDTSDDLDRPSEEVFSRDLSDFPSLENGMGTNDEDELSLGLPTELKRKKEQLD
SGHRPSKETQSAAGLTLPLNSDQTFHLMMSNLAGDVITAAVTAIKDQLEGVQQALSQAAP
IPEEDTDTEEGDDFELLDQSELDQIESELGLTQDQEAEAQQNKKSSGFLSNLLGGH

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**

RETREG1

Full Name

Reticulophagy regulator 1

Introduction

The protein encoded by this gene is a cis-Golgi transmembrane protein that may be necessary for the long-term survival of nociceptive and autonomic ganglion neurons. Mutations in this gene are a cause of hereditary sensory and autonomic neuropathy type IIB (HSAN IIB), and this gene may also play a role in susceptibility to vascular dementia. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

Alternative Names

JK1; JK-1; FAM134B; family with sequence similarity 134 member B; protein FAM134B; reticulophagy receptor FAM134B

Gene ID

[54463](#)

UniProt ID

[Q9H6L5](#)