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Product Information

MemDX™ Membrane Protein Human SCARA5 (Scavenger receptor class A member 5) for Antibody Discovery

Cat. No.: **MP0871J**
This product is for research use only and is not intended for diagnostic use.

This product is a 53.8 kDa Human SCARA5 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
SCARA5

Protein Length
Full-length

Protein Class
Druggable Genome, Transmembrane

Molecular Weight
53.8 kDa

TMD
1

Sequence
MENKAMYLHTVSDCDTSSICEDSFDGRSLSKLNLCEDGPCHKRRASICCTQLGSLSALKHAVLGLYLLVF
LILVGIFILAVSRPRSSPDDLKALTRNVNRLNESFRDLQLRLLQAPLQADLTEQVWKVQDALQNQSDSLL
ALAGAVQRLEGALWGLQAQAVQTEQAVALLRDRTGQQSDTAQLELYQLQVESNSSQLLLRRHAGLLDGLA
RRVGILGEELADVGGVLRGLNHSLSYDVALHRTRLQDLRVLVSNASEDTRRLRLAHVGMELQLKQELAML
NAVTEDLRLKDWEHSIALRNISLAKGPPGPKGDQGDEGKEGRPGIPGLPGLRGLPGERGTPGLPGPKGDD
GKLGATGPMGMRGFKGDRGPKGEKGEKGDRAGDASGVEAPMMIRLVNGSGPHEGRVEVYHDRRWGTVCDD
GWDKKDGDVVCRMLGFRGVEEVYRTARFGQGTGRIWMDDVACKGTEETIFRCSFSKWGVTNCGHAEDASV
TCNRH

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

SCARA5

Full Name

Scavenger receptor class A member 5

Introduction

Ferritin receptor that mediates non-transferrin-dependent delivery of iron. Mediates cellular uptake of ferritin-bound iron by stimulating ferritin endocytosis from the cell surface with consequent iron delivery within the cell. Delivery of iron to cells by ferritin is required for the development of specific cell types, suggesting the existence of cell type-specific mechanisms of iron traffic in organogenesis, which alternatively utilize transferrin or non-transferrin iron delivery pathways. Ferritin mediates iron uptake in capsule cells of the developing kidney. Binds preferentially ferritin light chain (FTL) compared to heavy chain (FTH1).

Alternative Names

Tesr; NET33

Gene ID

286133

UniProt ID

Q6ZMJ2

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