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Product Information

MemDX™ Membrane Protein Human TMPRSS4 (Transmembrane serine protease 4)

Cat. No.: **MP0002J**
This product is for research use only and is not intended for diagnostic use.

This product is a 37.6 kDa Human TMPRSS4 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
TMPRSS4

Protein Length
Full-length

Protein Class
Druggable Genome, Protease, Transmembrane

Molecular Weight
37.6 kDa

TMD
1

Sequence
MDPDSDQPLNSLDVKPLRKPRIPMETFRKVGIPIIIALLSLASIIIVVVLIKVILDKYYFLCGQPLHFIP
RKQLCDGELDCPLGEDEEHCVKSFPEGPAVAVRLSKDRSTLQVLDSATGNWFSACFDNFTEALAETACRQ
MGYSSKPTFRAVEIGPDQDLDVVEITENSQELRMRNSSGPCLSGSLVSLHCLACGKSLKTPRVVGGEEAS
VDSWPWQVSIQYDKQHVCGGSILDPHWVLTAAHCFRKHTDVFNWKVRAGSDKLGSFPSLAVAKIIIIEFN
PMYPKDNDIALMKLQFPLTFSGTVRPICLPFFDEELTPATPLWIIGWGFTKQNGG

Product Description

Expression Systems
HEK293T

Tag
C-Myc/DDK

Form
Powder

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

TMPRSS4

Full Name

Transmembrane serine protease 4

Introduction

This gene encodes a member of the serine protease family. Serine proteases are known to be involved in a variety of biological processes, whose malfunction often leads to human diseases and disorders. This gene was identified as a gene overexpressed in pancreatic carcinoma. The encoded protein is membrane bound with a N-terminal anchor sequence and a glycosylated extracellular region containing the serine protease domain. Multiple transcript variants encoding different isoforms have been found for this gene.

Alternative Names

membrane-type serine protease 2; MT-SP2; TMPRSS3; transmembrane protease serine 4; transmembrane serine protease 3; type II membrane serine protease; CAPH2; channel-activating protease 2

Gene ID

56649

UniProt ID

Q9NRS4

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