

Product Information

MemDX™ Membrane Protein Human TRPM5, His tag

Cat. No.: **MP1510F**

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

This product is recombinant Human TRPM5 membrane protein. 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

TRPM5

Protein Length

Full Length

Protein Class

Ion channel; Transport

TMD

6

Product Description

Tag

His tag

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

TRPM5

Full Name

Transient receptor potential cation channel subfamily M member 5

Introduction

This gene encodes a member of the transient receptor potential (TRP) protein family, which is a diverse group of proteins

with structural features typical of ion channels. This protein plays an important role in taste transduction, and has characteristics of a calcium-activated, non-selective cation channel that carries Na⁺, K⁺, and Cs⁺ ions equally well, but not Ca(2⁺) ions. It is activated by lower concentrations of intracellular Ca(2⁺), and inhibited by higher concentrations. It is also a highly temperature-sensitive, heat activated channel showing a steep increase of inward currents at temperatures between 15 and 35 degrees Celsius. This gene is located within the Beckwith-Wiedemann syndrome critical region-1 on chromosome 11p15.5, and has been shown to be imprinted, with exclusive expression from the paternal allele.

Alternative Names

MTR1; LTRPC5; MLSN1 and TRP-related; MLSN1- and TRP-related gene 1 protein; long transient receptor potential channel 5

Gene ID

[29850](#)

UniProt ID

[Q9NZQ8](#)