

Product Information

MemDX™ Membrane Protein Human PTPN5 (Protein tyrosine phosphatase non-receptor type 5) for Antibody Discovery

Cat. No.: **MP0682J**

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

This product is a 63.4 kDa Human PTPN5 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

PTPN5

Protein Length

Full-length

Protein Class

Druggable Genome, Phosphatase, Transmembrane

Molecular Weight

63.4 kDa

TMD

2

Sequence

MNYEGARSERENHAADDSEGGALDMCCSERLPGLPQPIVMEALDEAEGLQDSQREMPPPPPPSPPSDPAQ
KPPPRGAGSHSLTVRSSLCLFAASQFLLACGVLWFSGYGHWSQNATNLVSSLLTLLKQLEPTAWLDSGT
WGVPSLLLVLVSVGLVLVTTLVWHLLRTPPEPPTPLPPEDRRQSVSRQPSFTYSEWMEEKIEDDFDLDP
VPETPVFDCVMDIKPEADPTSLTVKSMGLQERRGSNVSLTLDMCTPGCNEEGFGYLMSPREESAREYLLS
ASRVLQAEELHEKALDPFLLQAEFFEIPMNFVDPKEYDIPGLVRKNRYKTILPNPHSRVCLTSPDPDDPL
SSYINANYIRGYGEEKVYIATQGPIVSTVADFWRMVWQEHTPIIVMITNIEEMNEKCTEYWPEEQVAYD
GVEITVQKVIHTEDYRLRLISLKSQTEERGLKHYWFTSWPDQKTPDRAPLLHLVREVEEAAQQEGPHCA
PIIVHCSAGIGRTGCFIATSICCQQLRQEGVVDILKTTCCQLRQDRGMIQTCEQYQFVHHVMSLYEKQLS
HQSPE

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**

PTPN5

Full Name

Protein tyrosine phosphatase non-receptor type 5

Introduction

May regulate the activity of several effector molecules involved in synaptic plasticity and neuronal cell survival, including MAPKs, Src family kinases and NMDA receptors.

Alternative Names

PTPSTEP; STEP; STEP61

Gene ID

[84867](#)

UniProt ID

[P54829](#)