SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Membrane Protein Human ENTPD7 (Ectonucleoside triphosphate diphosphohydrolase 7)

Cat. No.: **MP0274J**
This product is for research use only and is not intended for diagnostic use.

This product is a 68.8 kDa Human ENTPD7 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
ENTPD7

Protein Length
Full-length

Protein Class
Transmembrane

Molecular Weight
68.8 kDa

TMD
2

Sequence
MARISFSYLCPASWYFTVPTVSPFLRQRVAFLGLFFISCLLLLMLIIDFRHWSASLPRDRQYERYLARVG
ELEATDTEDPNLNYGLVVDCGSSGSRIFVYFWPRHNGNPHDLLDIKQMRDRNSQPVVKKIKPGISAMADT
PEHASDYLRPLLSFAAAHVPVKKHKETPLYILCTAGMRLLPERKQLAILADLVKDLPLEFDFLFSQSQAE
VISGKQEGVYAWIGINFVLGRFDHEDESDAEATQELAAGRRRTVGILDMGGASLQIAYEVPTSTSVLPAK
QEEAAKILLAEFNLGCDVQHTEHVYRVYVTTFLGFGGNFARQRYEDLVLNETLNKNRLLGQKTGLSPDNP
FLDPCLPVGLTDVVERNSQVLHVRGRGDWVSCGAMLSPLLARSNTSQASLNGIYQSPIDFNNSEFYGFSE
FFYCTEDVLRIGGRYHGPTFAKAAQDYCGMAWSVLTQRFKNGLFSSHADEHRLKYQCFKSAWMYQVLHEG
FHFPYDYPNLRTAQLVYDREVQWTLGAILYKTRFLPLRDLRQEGVRQAHGSWFRLSFVYNHYLFFACILV
VLLAIFLYLLRLRRIHHRQTRASAPLDLLWLEEVVPMMGVQVGP

Product Description

Expression Systems
HEK293T

Tag

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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

ENTPD7

Full Name

Ectonucleoside triphosphate diphosphohydrolase 7

Introduction

This gene encodes a purine-converting ectoenzyme which belongs to the ecto-nucleoside triphosphate diphosphohydrolase (E-NTPDase) family. The encoded protein hydrolyzes extracellular nucleoside triphosphates (UTP, GTP, and CTP) to nucleoside monophosphates as part of a purinergic signaling pathway. It contains two transmembrane domains at the N- and C-termini and a large, hydrophobic catalytic domain located in between. This gene affects oxidative stress as well as DNA damage and is a mediator of senescence.

Alternative Names

LALP1; NTPDase 7; lysosomal apyrase-like protein 1

Gene ID

57089

UniProt ID

Q9NQZ7

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