

Recombinant Human ENTPD7 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ENTPD7-3159H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ENTPD7 MS Standard C13 and N15-labeled recombinant protein (NP_065087) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	69 kDa
AA Sequence	MARISFSYLCPASWYFTVPTVSPFLRQRVAFLGLFFISCLLLLMLIIDFRHWSASLPRD RQYERYLARVGELEATDTEDPNLNYGLVDCGSSGSRIFVYFWPRHNGNPHDLLDI KQMRDRNSQPVVKKIKPGISAMADTPEHASDYLRPLLSFAAAHVPVKKHKETPLYIL CTAGMRLLPERKQLAILADLVKDLPLEFDLFLFSQSQAEEVISGKQEGVYAWIGINFVLG RFDHEDESDAEATQELAAGRRRTVGILDMGGASLQIAYEVPTSTSVLPKQEEAAKI LLAEFNLGCDVQHTEHVYRVYVTTFLGFGGNFARQRYEDLVLNETLNKNRLLGQKT

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GLSPDNPFLDPCLPVGLTDVVERNSQVLHVRGRGDWVSCGAMLSPLLARSNTSQA
SLNGIYQSPIDFNNSEFYGFSEFFYCTEDVLRIGGRYHGPTFAKAAQDYCGMAWSVL
TQRFKNGLFSSHADEHRLKYQCFKSAWMYQVLHEGFHFPYDYPNLRTAQLVYDRE
VQWTLGAILYKTRFLPLRDLRQEGVRQAHGSWFRLSFVYNHYLFFACILVLLAIFLY
LLRLRRIHHRQTRASAPLDLLWLEEVVPMMGVQVGPTTRTRPLEQKLISEEDLAANDIL
DYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name ENTPD7 ectonucleoside triphosphate diphosphohydrolase 7 [Homo sapiens (human)]

Official Symbol ENTPD7

Synonyms ENTPD7; ectonucleoside triphosphate diphosphohydrolase 7; LALP1; ectonucleoside triphosphate diphosphohydrolase 7; NTPDase 7; lysosomal apyrase-like protein 1; EC 3.6.1.-

Gene ID 57089

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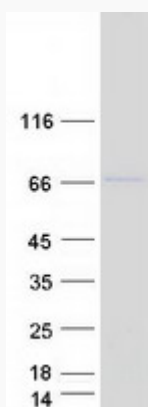
mRNA Refseq [NM_020354](#)

Protein Refseq [NP_065087](#)

MIM [616753](#)

UniProt ID [Q9NQZ7](#)

SDS-PAGE



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