

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

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

## SPECIFICATION

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

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GLSPDNPFLDPCLPVGLTDVVERNSQVLHVRGRGDWVSCGAMLSPLLARSNTSQA  
 SLNGIYQSPIDFNNSEFYGFSEFFYCTEDVLRIGGRYHGPTFAKAAQDYCGMAWSVL  
 TQRFKNGLFSSHADEHRLKYQCFKSAWMYQVLHEGFHFYPYDYNLRTAQLVYDRE  
 VQWTLGAILYKTRFLPLRDLRQEGVRQAHGSWFRLSFVYNHYLFFACILVLLAIFLY  
 LLRLRRIHHRQTRASAPDLLWLEEVVPMMGVQVGPTRTRPLEQKLISEEDLAANDIL  
 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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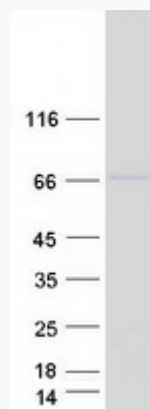
mRNA Refseq [NM\\_020354](#)

Protein Refseq [NP\\_065087](#)

MIM [616753](#)

UniProt ID [Q9NQZ7](#)

SDS-PAGE



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