Recombinant Full Length Human ENTPD4 Protein, C-Flag-tagged

Cat. No. ENTPD4-1858HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ENTPD4 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the apyrase protein family. Apyrases are enzymes that catalyze the hydrolysis of nucleotide diphosphates and triphosphates in a calcium or magnesium-dependent manner. The encoded protein is an endo-apyrase and may play a role in salvaging nucleotides from lysosomes. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and these isoforms may differ in divalent cation dependence and substrate specificity.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	70.1 kDa
AA Sequence	MGRIGISCLFPASWHFSISPVGCPRILNTNLRQIMVISVLAAAVSLLYFSVVIIRNKYGR LTRDKKFQRY LARVTDIEATDTNNPNVNYGIVVDCGSSGSRVFVYCWPRHNGNPH DLLDIRQMRDKNRKPVVMKIKPGIS EFATSPEKVSDYISPLLNFAAEHVPRAKHKETP LYILCTAGMRILPESQQKAILEDLLTDIPVHFDFLFS DSHAEVISGKQEGVYAWIGINF VLGRFEHIEDDDEAVVEVNIPGSESSEAIVRKRTAGILDMGGVSTQIA YEVPKTVSFA SSQQEEVAKNLLAEFNLGCDVHQTEHVYRVYVATFLGFGGNAARQRYEDRIFANTI

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	QKNR LLGKQTGLTPDMPYLDPCLPLDIKDEIQQNGQTIYLRGTGDFDLCRETIQPFM NKTNETQTSLNGVYQPP IHFQNSEFYGFSEFYYCTEDVLRMGGDYNAAKFTKAAKD YCATKWSILRERFDRGLYASHADLHRLKYQC FKSAWMFEVFHRGFSFPVNYKSLKT ALQVYDKEVQWTLGAILYRTRFLPLRDIQQEAFRASHTHWRGVSF VYNHYLFSGCF LVVLLAILLYLLRLRRIHRRTPRSSSAAALWMEEGLPAQNAPGTL TRTRPLEQKLISE EDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transmembrane
Protein Pathways	Lysosome, Purine metabolism, Pyrimidine metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	ENTPD4 ectonucleoside triphosphate diphosphohydrolase 4 [Homo sapiens (human)]
Official Symbol	ENTPD4

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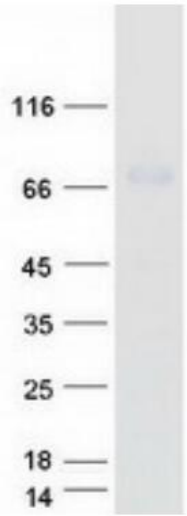
Synonyms	LAP70; LALP70; LYSAL1; UDPase; NTPDase-4
Gene ID	9583
mRNA Refseq	NM_004901.5
Protein Refseq	NP_004892.1
MIM	607577
UniProt ID	Q9Y227



Coomassie blue staining of purified ENTPD4 protein.

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