

## Active Recombinant Human ENTPD2 Protein, His tagged

Cat. No. ENTPD2-01H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Human ENTPD2 Protein (Thr29-Asp460) with a C-terminal 6-His tag was expressed in Chinese Hamster Ovary cell line.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	29-460 aa
<b>Description</b>	The protein encoded by this gene is the type 2 enzyme of the ecto-nucleoside triphosphate diphosphohydrolase family (E-NTPDase). E-NTPDases are a family of ecto-nucleosidases that hydrolyze 5"-triphosphates. This ecto-ATPase is an integral membrane protein. Alternative splicing of this gene results in multiple transcript variants.
<b>Form</b>	Monomer
<b>Molecular Mass</b>	48 kDa
<b>N-terminal Sequence Analysis</b>	Thr29
<b>Bio-Activity</b>	Measured by its ability to hydrolyze the 5"-phosphate groups from the substrate adenosine-5"-triphosphate (ATP). The orthophosphate product is measured by a Malachite Green Phosphate Detection Kit. The specific activity is > 5,000

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	pmol/min/μg, as measured under the described conditions.
<b>Endotoxin</b>	< 1 EU/μg by LAL.
<b>Purity</b>	> 95 % by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -20 to -70 centigrade as supplied. 3 months, -20 to -70 centigrade under sterile conditions after opening.
<b>Storage Buffer</b>	Supplied as a 0.2 μm filtered solution in Tris, NaCl, CaCl <sub>2</sub> and Glycerol.
<b>Shipping</b>	The product is shipped with polar packs
<b>Reference</b>	<ol style="list-style-type: none"> <li>1. Zimmermann, H. et al. 2000 Proceedings of the Second International Workshop on EctoATPases and Related Ectonucleotidases:18.</li> <li>2. Robson, S.C. et al. 2001 Drug Dev. Res. 53:193.</li> <li>3. Marcus, A.J. et al. 2005 Semin. Thromb. Hemost. 31:234.</li> </ol>

## GENE INFORMATION

<b>Gene Name</b>	ENTPD2 ectonucleoside triphosphate diphosphohydrolase 2 [ Homo sapiens (human) ]
<b>Official Symbol</b>	ENTPD2
<b>Synonyms</b>	ENTPD2; ectonucleoside triphosphate diphosphohydrolase 2; CD39L1; CD39 like 1; ecto ATPase; NTPDase 2; ecto-ATPase 2; ecto-ATPDase 2; CD39 antigen-like 1; ecto-ATP diphosphohydrolase 2; NTPDase-2

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Gene ID	954
mRNA Refseq	NM_001246
Protein Refseq	NP_001237
MIM	602012
UniProt ID	Q9Y5L3

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