

Active Recombinant Human ENTPD2 Protein, His tagged

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

SPECIFICATION

Product Overview	Active Recombinant Human ENTPD2 Protein (Thr29-Asp460) with a C-terminal 6-His tag was expressed in Chinese Hamster Ovary cell line.
Species	Human
Source	CHO
ProteinLength	29-460 aa
Description	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.
Form	Monomer
Molecular Mass	48 kDa
N-terminal Sequence Analysis	Thr29
Bio-Activity	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.
Endotoxin	< 1 EU/μg by LAL.
Purity	> 95 % by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.
Storage	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.
Storage Buffer	Supplied as a 0.2 μm filtered solution in Tris, NaCl, CaCl ₂ and Glycerol.
Shipping	The product is shipped with polar packs
Reference	1. Zimmermann, H. et al. 2000 Proceedings of the Second International Workshop on EctoATPases and Related Ectonucleotidases:18. 2. Robson, S.C. et al. 2001 Drug Dev. Res. 53:193. 3. Marcus, A.J. et al. 2005 Semin. Thromb. Hemost. 31:234.

GENE INFORMATION

Gene Name	ENTPD2 ectonucleoside triphosphate diphosphohydrolase 2 [Homo sapiens (human)]
Official Symbol	ENTPD2
Synonyms	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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