antibodies -online.com





Datasheet for ABIN7195468
ENTPD2 Protein (AA 29-460) (His tag)

Overview

Quantity:	50 µg
Target:	ENTPD2
Protein Characteristics:	AA 29-460
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ENTPD2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human NTPDase 2/ENTPD2 Protein (aa 29-460, His Tag)(Active)
Sequence:	Thr 29-Asp460
Characteristics:	A DNA sequence encoding the mature form of human ENTPD2 (Q9Y5L3) (Thr29-Asp460) was expressed, with a polyhistidine tag at the N-terminus.
Purity:	> 85 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to hydrolyze the 5'phosphate groups from the substrate adenosine 5'triphosphate(ATP). The specific activity is > 5,000 pmoles/min/µg.

Target Details

Larget Details	
Target:	ENTPD2
Alternative Name:	NTPDase 2/ENTPD2 (ENTPD2 Products)
Background:	Background: NTPDase 2, also known as ENTPD2, belongs to the ecto-nucleoside triphosphate
	diphosphohydrolase family (E-NTPDase). Members of E-NTPDase family are nucleotidases
	able to hydrolyze 5'-nucleoside tri- and/or diphosphates; the main role of these enzymes is the
	termination of purinergic signaling. NTPDases are ubiquitous and were previously shown in
	other parasites including the trypanosomatides of genus Leishmania and in T. brucei. NTPase
	activity would act as a timer and is crucial to T. gondii infection. In L. pneumophila it was
	demonstrated that an E-NTPDase, similar to CD39, is essential for intracellular bacterial
	multiplication. NTPDase 2 is an integral membrane protein. In the nervous system, it could
	hydrolyze ATP and other nucleotides to regulate purinergic neurotransmission. Alternative
	splicing of NTPDase 2 gene results in multiple transcript variants.
	Synonym: CD39L1;NTPDase-2;RP11-229P13.11-001
Molecular Weight:	49.3 kDa
JniProt:	Q9Y5L3
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.

samples are stable at < -20°C for 3 months.

Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted