

Datasheet for ABIN7596294

ENTPD6 Protein (AA 33-455) (His tag)



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Overview

Quantity:	250 µg
Target:	ENTPD6
Protein Characteristics:	AA 33-455
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ENTPD6 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Enzyme Activity Assay (EAA)

Product Details

Sequence:	KWHRAS AAQAFFTIAG AASGARWTQQ AFSSPGSAAR GHEVFYGIMF DAGSTGTRIH VFQFARPPGE TPTLTHETFK ALKPGLSAYA DDVEKSAQGI QELNLVAKQH IPYDFWKATP LVLKATAGLR LLPGEKAQKL LQKVKEVFKA SPFLVGDDCV SIMNGTDEGV SAWITVNFLT GSLKTPGSSS VGMLDLGGGS TQITFLPRVE GTLQASPPGH LTALQMFNRT YKLYSYSYLG LGLMSARLAI LGGVEGKPAE NDKELVSPCL SPRFRGEWEH AEVTYRISGQ KAVGLYELCA SRVSEVLRNK VHRTEEAQHV DFYAFSYYVD LAASFGLIDA EKGGSLLVGD FEIAAKYVCR TLETQPPSSP FACMDLTYIS LLLHEFGFPG DKVLKLARKI DNVETSWALG AIFHYIDSLK RQKVPAL
Purity:	> 95% by SDS - PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Specific activity is > 80,000 pmol/min/ug, and is defined as the amount of enzyme that

Product Details

hydrolyze GDP per minute at pH 7.5 at 25C.

Target Details

Target:	ENTPD6
Alternative Name:	CD39L2/ENTPD6 Protein (ENTPD6 Products)
Background:	CD39L2, also known as ENTPD6, is a nucleoside phosphohydrolase of the CD39 family of enzymes that is present on the surface of cells. It is soluble monomeric enzyme, making it more amenable to thorough structural and functional analysis than the membrane-bound forms. Soluble CD39L2 preferentially exhibits nucleoside diphosphatase activity, which is dependent on the presence of divalent cations. It is expressed at its highest levels in cardiac muscle and in heart capillary endothelial cells. Also, it plays a role in the regulation and recruitment of platelet activation in heart. Recombinant mouse CD39L2, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Molecular Weight:	47.3kDa (433aa)
NCBI Accession:	NP_742115

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.