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## Product Data Sheet

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Product Name: ENTPD3 Human, sf9 Bioactive  
 Cat. No.: GP21610  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ectonucleoside Triphosphate Diphosphohydrolase 3; Ecto-ATP Diphosphohydrolase 3; CD39 Antigen-Like 3; Ecto-ATPDase 3; Ecto-Apyrase 3; Ecto-ATPase 3; EC 3.6.1.5; NTPDase3; CD39L3; HB6; NTPDase-3; EC 3.6.1; Ectonucleoside triphosphatediphosphohydrolase 3; NTPDase 3; CD39 antigen-like 3; Ecto-ATPdiphosphohydrolase 3; Ecto-ATPDase 3; Ecto-ATPase 3; Ecto-apyrase 3; HB6.		
Amino Acid Sequence	ADLQIHKQEV LPPGLKYGIVLDAGSSRTTV YVYQWPAEKE NNTGVVSQTF KCSVKGGSGIS SYGNPQDVP RAFEECMQKV KGQVPSHLHG STPIHLGATAGMRLRLQNE TAANEVLESI QSYFKSQPFDFRGAQIISGQ EEGVYGWITA NYLMGNFLEK NLWHMWVHPHGVETT GALDLGGASTQISFV AGEKMDLNTS DIMQVSLYGY VYTLYTHSFQ CYGRNEAEKKFLAMLLQNSP TKNHLTNP CY PRDYSISFTM GHVFDSLCTV DQRPE SYNPN DVITFEGTGD PSLCKEKVASIFDFKACHDQ ETCSFDGVYQ PKIKGPFVAF AGFYITASAL NLSGSFSLDT FNSSTWNFCSQNWSQLPLLL PKFDEVYARSYCF SANYIYH LFNNGYKFTE ETWPQIHFEK EVGNSSIAWS LGYMLSLTNQ IPAESPLIRL PIEPPHHHHHH.		
Formulation	ENTPD3 protein solution (0.5mg/ml) contains PhosphateBuffered Saline (pH 7.4) and 10% glycerol.		

### Introduction

Ectonucleoside Triphosphate Diphosphohydrolase 3, also known as ENTPD3, which owns a threefold preference for the hydrolysis of ATP over ADP is similar to E-type nucleotidases (NTPases). ENTPD3 is a protein coding gene which contains four apyrase-conserved areas which is characteristic of NTPases.

### Biological Activity

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Specific activity is > 250,000 pmol/min/ug, and is defined as the amount of enzyme that hydrolyze ATP per minute at pH 7.5 at 37C.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

ENTPD3 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 451 amino acids (44-485a.a.) and having a molecular mass of 50.7kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa). ENTPD3 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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