
Product Data Sheet

Product Name: ENTPD3 Human, sf9

Cat. No.: GP21609

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; CD39L3; Ecto-ATP Diphosphohydrolase 3; CD39 Antigen-Like 3; Ecto-ATPDase 3; Ecto-Apyrase 3; Ecto-ATPase 3; EC 3.6.1.5; NTPDase 3; HB6; NTPDase-3.		
Amino Acid Sequence	ADLQIHKQEV LPPGLKYGIV LDAGSSRTTV VYQWPAAEKE NNTGVVSQTF KCSVKGSGIS SYGNNPQDVP RAFEECMQKV KGQVPSHLHG STPIHLGATA GMRLRLQNE TAANEVLESI QSYFKSQPFD FRGAQIISGQ EEGVYGWITA NYLMGNFLEK NLWHMWVPH GVETTGALDL GGASTQISFV AGEKMDLNTS DIMQVSLYGY VYTLYTHSFQ CYGRNEAEKK FLAMLLQNSP TKNHLTNPCY PRDYSISFTM GHVFDSLCTV DQRPEYNPN DVITFEGTGD PSLCKEKVAS IFDFKACHDQ ETCSFDGVYQ PKIKGPFVAF AGFYITASAL NLSGSFSLDT FNSSTWNFCS QNWSQLPLLL PKFDEVYARS YCFSANIYH LFNNGYKFTE ETWPQIHFEK EVGNSSIAWS LGYMLSLTNQ IPAESPLIRL PIEPPHHHHH.		
Formulation	ENTPD3 protein solution (0.5mg/ml) containing Phosphate Buffered 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.

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.

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

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Background

ENTPD3 Human Recombinant produced in Sf9 Baculovirus cells is a single, non-glycosylated polypeptide chain containing 451 amino acids (44-485a.a) and having a molecular mass of 50.7kDa (Migrates at 50-70kDa on SDS-PAGE under reducing conditions). ENTPD3 is fused to a 6 amino acids His-tag at C-Terminus and purified by proprietary chromatographic techniques.

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