
Product Data Sheet

Product Name: ENTPD3 Human
 Cat. No.: GP21608
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
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	MGSSHHHHHH SGLVPRGSH MGSQIHKQEV LPPGLKYGIV LDAGSSRTTV YVYQWPAEKE NNTGVVSQTF KCSVKGGSGIS SYGNNPQDVP RAFEECMQKV KGQVPSHLHG STPIHLGATA GMRLRLQNE TAANEVLESI QSYFKSQPFD FRGAQIISGQ EEGVYGWITA NYLMGNFLEK NLWHMWWVHPH GVETT GALDL GGASTQISFV AGEKMDLNTS DIMQVSLYGY VYTYLTHSFQ CYGRNEAEKK FLAMLLQNSP TKNHLTNPCY PRDYSISFTM GHVFDLSLCTV DQRPE SYNPN DVITFEGTGD PSLCKEKVAS IFDFKACHDQ ETCSFDGVYQ PKIKGPFVAF AGFYTASAL NLSGSFSLDT FNSSTWNFCS QNWSQLPLLL PKFDEVYARS YCFSANYIYH LFNNGYKFTE ETWPQIHFEK EVGNSSIAWS LGYMLSLTNQ IPAESPLIRL PIEPP.		
Formulation	ENTPD3 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0) 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%

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

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

ENTPD3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 465 amino acids (44-485 a.a) and having a molecular mass of 52kDa. ENTPD3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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