

32-6740: ENTPD3 Human, sf9 Bioactive

Application :	Functional Assay
Alternative Name :	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, NTPDase 3, CD39L3, HB6, NTPDase-3, EC 3.6.1, Ectonucleoside triphosphate diphosphohydrolase 3, NTPDase 3, CD39 antigen-like 3, Ecto-ATP diphosphohydrolase 3, Ecto-ATPDase 3, Ecto-ATPase 3, Ecto-apyrase 3, HB6.

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

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.

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.

Product Info

Amount :	1 µg / 4 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	ENTPD3 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	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.
Amino Acid :	ADLQIHKQEV LPPGLKYGIV LDAGSSRTTV YVYQWPAAEKE NNTGVVSQTF KCSVKGSGIS SYGNNPQDVP RAFEECMQKV KGQVPSHLHG STPIHLGATA GMRLRLQNE TAANEVLESI QSYFKSQPFD FRGAQIISGQ EEGVYGWITA NYLMGNFLEK NLWHMWWVHPH GVETTALDL GGASTQISFV AGEKMDLNTS DIMQVSLYGY VYTLYTHSFQ CYGRNEAEKK FLAMLLQNSP TKNHLTNPY PRDYSISFTM GHVFDLCTV DQRPEYNPN DVITFEGTGD PSLCKEKVAS IFDFKACHDQ ETCSFDGVYQ PKIKGPFVAF AGFYTASAL NLSGFSLDL FNSSTWNFCS QNWSQLPLLL PKFDEVYARS YCFSANIYH LFNNGYKFE ETWPQIHFEK EVGNSSIAWS LGYMLSLTNQ IPAESPLIRL PIEPPHHHHH.

Application Note

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.