

## 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 VYQWPAAEKE NNTGVVSQTF KCSVKGSGIS SYGNNPQDVP  
RAFEECMQKV KGQVPSHLHG STPIHLGATA GMRLRLQNE TAANEVLESI QSYFKSQPFD FRGAQIISGQ  
EEGVYGWITA NYLMGNFLEK NLWHMWVHPH GVETTGALDL GGASTQISFV AGEKMDLNTS  
DIMQVSLYGY VYTLYTHSFQ CYGRNEAEKK FLAMLLQNSP TKNHLTNPCY PRDYSISFTM GHVFDLSLCTV  
DQRPESYNPN DVITFEGTGD PSLCKEKKVAS IFDFKACHDQ ETCSFDGVYQ PKIKGPFVAF AGFYITASAL  
NLGSFSLDT FNSSTWNFCS QNWSQLPLLL PKFDEVYARS YCFSANYIYH LFNNGYKFTE 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.