

## 32-6740: ENTPD3 Human, sf9 Bioactive

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| <b>Application :</b>      | Functional Assay   |
| <b>Alternative Name :</b> | 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

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| <b>Amount :</b>            | 1 µg / 4 µg  |
| <b>Purification :</b>      | Greater than 90.0% as determined by SDS-PAGE.  |
| <b>Content :</b>           | ENTPD3 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.   |
| <b>Storage condition :</b> | 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.   |
| <b>Amino Acid :</b>        | ADLQIHKQEV LPPGLKYGIV LDAGSSRTTV YVYQWPAEKE NNTGVVSQTF KCSVKGSGIS<br>SYGNNPQDVP RAFEECMQKV KGQVPSHLHG STPIHLGATA GMRLRLQNE TAANEVLESI<br>QSYFKSQPFD FRGAQIISGQ EEGVYGWITA NYLMGNFLEK NLWHMWVHPH GVETT GALDL<br>GGASTQISFV AGEKMDLNTS DIMQVSLYGY VYTYLTHSFQ CYGRNEAEKK FLAMLLQNSP<br>TKNHLTNPCY PRDYSISFTM GHVFDLSLCTV DQRPEYNPN DVITFEGTGD PSLCKEKKVAS<br>IFDFKACHDQ ETCSEFDGVYQ PKIKGPFVAF AGFYTTASAL NLGSGFSLDT FNSSTWNFCS<br>QNWSQLPLLL PKFDEVYARS YCFSANYIYH LFNNGYKFTE ETWPQIHFEK EVGNSSIAWS<br>LGYMLSLTNQ IPAESPLRL PIEPPHHHHHH. |

### 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.