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32-13342: NT5E (CD73) Mouse

Application : Functional Assay
Alternative Name : 5'-nucleotidase (EC:3.1.3.5), 5'-NT, Ecto-5'-nucleotidase, CD73, Nt5e, Nt5, Nte.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
NT5E, also known as CD73, is a plasma membrane protein which catalyzes the conversion of extracellular nucleotides into membrane-permeable nucleosides. NT5E is functions as a determinant of lymphocyte differentiation. Defects in NT5E can cause the calcification of joints and arteries.Â Â
NT5E Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 531 amino acids (29-551a.a.) and having a molecular mass of 59.1kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa).NT5E is expressed with an 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques. Â

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	NT5E 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 :	WELTILHTND VHSRLEQTSD DSTKCLNASL CVGGVARLFT KVQQIRKEEP NVLFLDAGDQ YQGTIWFTVY KGLEVAHFMN ILGYDAMALG NHEFDNGVEG LIDPLLRNVK FPILSANIKA RGPLAHQISG LFLPSKVLSV GGEVVGIVGY TSKETPFLSN PGTNLVFEDE ISALQPEVDK LKTLNVNKII ALGHSGFEMD KLIAQKVRGV DIVVGGHSNT FLYTGNPPSK EVPAGKYPFI VTADDGRQVP VVQAYAFGKY LGYLKVEFDD KGNVITSYGN PILLNSSIPE DATIKADINQ WRIKLDNYST QELGRTIVYL DGSTQTCRFR ECNMGNLICD AMINNNLRHP DEMFWNHVSM CIVNGGGIRS PIDEKNNGTI TWENLAAVLP FGGTFDLVQL KGSTLKKAFE HSVHRYGQST GEFLQVGGIH VVYDINRKPW NRVVQLEVLC TKCRVPIYEP LEMDKVYKVT LPSYLANGGD GFQMIKDELL KHDSGDQDIS VVSEYISKMK VVYPAVEGRI KFSLEHHHHH H.

Application Note

Specific activity is > 8,000 pmol/min/ug, and is defined as the amount of enzyme that hydrolyze 1.0 pmole of Adenosine 5-monophosphate to phosphate per minute per minute at pH 7.5 at 25Ã‚Â°C.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.