

Recombinant human 5'-Nucleotidase/CD73 protein

Catalog Number: ATGP2532

PRODUCT INFORMATION

Expression system

E.coli

Domain

27-252aa

UniProt No.

P21589

NCBI Accession No.

NP_002517

Alternative Names

CD73, 5-NT, 5'-nucleotidase, 5'-nucleotidase ecto, A1447961, E5NT, ecto, eN, eNT, NT, NT5, Nt5e, NTE, 2210401F01Rik

PRODUCT SPECIFICATION

Molecular Weight

27 kDa (247aa)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

NT5E is a plasma membrane protein that catalyzes the conversion of extracellular nucleotides to membrane-permeable nucleosides. This protein is used as a determinant of lymphocyte differentiation. Defects in this gene can lead to the calcification of joints and arteries. Two transcript variants encoding different isoforms have been found for this gene. Recombinant human NT5E protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

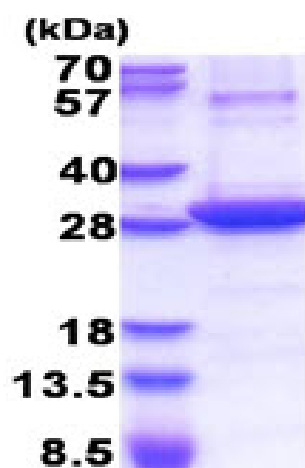
MGSSHHHHHH SSGLVPRGSH MWELTILHTN DVHSRLEQTS EDSSKCVNAS RCMGGVARLF TKVQQIRRAE PNVLLLDAGD
QYQGTIWFTV YKGAEVAHFM NALRYDAMAL GNHEFDNGVE GLIEPLLKEA KFPILSANIK AKGPLASQIS GLYLPYKVLV
VGDEVVGI V YTSKETPFLS NPGTNLVFED EITALQPEVD KLKTLNVNKI IALGHSGFEM DKLIAQKVRG VDVVVGHSN
TFLYTGN

General References

Misumi Y., et al. (1990) Eur. J. Biochem. 191:563-569
Hansen K.R., et al. (1995) Gene. 167:307-312

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)