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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

NT5E (Human) Recombinant protein

Catalog Number: P9115

Regulation Status: For research use only (RUO)

Product Description: Human NT5E (P21589, 27 a.a. - 252 a.a) partial recombinant protein with His-tag at N-terminal expressed in *Escherichia Coli*.

Sequence: MGSSHHHHHH SGLVPRGSH

MWELTILHTN	DVHSRLEQTS	EDSSKCVNAS
RCMGGVARLF	TKVQQIRRAE	PNVLLLDAGD
QYQGTIWFTV	YKGAEVAHFM	NALRYDAMAL
GNHEFDNGVE	GLIEPLLKEA	KFPILSANIK
AKGPLASQIS	GLYLPYKVLP	VGDEVVGIVG
YTSKETPFLS	NPGTNLVFED	EITALQPEVD
KLKTLNVNKI	IALGHSGFEM	DKLIAQKVRG

VDVVVGGHSN TFLYTGN.

Host: *Escherichia coli*

Theoretical MW (kDa): 27

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Liquid

Preparation Method: *Escherichia coli* expression system

Purity: > 90% by SDS-PAGE.

Storage Buffer: In 20mM Tris-HCl buffer, pH 8.0, 0.15M NaCl, 10% glycerol and 1mM DTT.

Storage Instruction: Store at 4°C for 2~4 week. For long term storage store at -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 4907

Gene Symbol: NT5E

Gene Alias: CD73, E5NT, NT, NT5, NTE, eN, eNT

Gene Summary: Ecto-5-prime-nucleotidase (5-prime-ribonucleotide phosphohydrolase; EC 3.1.3.5) catalyzes the conversion at neutral pH of purine 5-prime mononucleotides to nucleosides, the preferred substrate being AMP. The enzyme consists of a dimer of 2 identical 70-kD subunits bound by a glycosyl phosphatidyl inositol linkage to the external face of the plasma membrane. The enzyme is used as a marker of lymphocyte differentiation. Consequently, a deficiency of NT5 occurs in a variety of immunodeficiency diseases (e.g., see MIM 102700, MIM 300300). Other forms of 5-prime nucleotidase exist in the cytoplasm and lysosomes and can be distinguished from ecto-NT5 by their substrate affinities, requirement for divalent magnesium ion, activation by ATP, and inhibition by inorganic phosphate.[supplied by OMIM]