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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

NT5E (Human) Recombinant Protein (P01)

Catalog Number: H00004907-P01

Regulation Status: For research use only (RUO)

Product Description: Human NT5E full-length ORF (AAH15940.1, 28 a.a. - 264 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

ELTILHTNDVHSRLEQTSSEDSSKCVNASRCMGGVARL
FTKVQQIRRAEPNVLLLDAGDQYQGTIWFTVYKGAEV
AHFMNALRYDAMALGNHEFDNGVEGLIEPLLKEAKFPI
LSANIKAKGPLASQISGLYLPYKVLVPGDEVVGVIGYTS
KETPFLSNPGTNLVFEDEITALQPEVDKCLKTLNVNKIIAL
GHSGSEMDKLIQKVRGVDVVVGGHSNTFLYTGNCF
KRIAWARMSR

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 51.81

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

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

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. 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]