

## Recombinant Human NT5E protein, GST-tagged

**Cat. No.** NT5E-4441H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human NT5E protein(P21589)(28-547aa), fused to N-terminal GST tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 28-547aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.                                                                                                                                                                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | 84.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | ELTILHTNDVHSRLEQTSSEDSSKCVNASRCMGGVARLFTKVQQIRRAEPNVLLLDAG<br>DQYQGTIWFTVYKGAEVAHFMMNALRYDAMALGNHEFDNGVEGLIEPLLKEAKFPILS<br>ANIKAKGPLASQISGLYLPYKVLPVGDEVVGIVGYTSKETPFLSNPGTNLVFEDEITAL<br>QPEVDKLKTLNVNKIIALGHSGFEMDKLIAQKVRGVDVVGGHSTNTFLYTGNPPSKE<br>VPAGKYPPFIVTSDDGRKVPVVQAYAFGKYLGYLKIEFDERGNVISSHGNPILLNSSIPE<br>DPSIKADINKWRIKLDNYSTQELGKTIVYLDGSSQSCRFRECNMGNLICDAMINNNLR<br>HTDEMFWNHVSMCILNNGGIRSPIDERNNGTITWENLA AVL PFGGTFDLVQLKGSTL<br>KKA FEHSVHRYGQSTGEFLQVGGIHVVDLSRKPGDRVVKLDVLCTKCRVPSYDPL<br>KMDEVYKVILPNFLANGGDGFQMIKDELLRHDSGDQDINVVSTYISKMKVIYPAVEG<br>RIK |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |                                                                                                                                                                                                           |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                               |
| <b>Storage</b>        | Store at -20°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                  |
| <b>Reconstitution</b> | Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. |

## GENE INFORMATION

|                        |                                                                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | NT5E 5-nucleotidase, ecto (CD73) [ Homo sapiens ]                                                                                                                          |
| <b>Official Symbol</b> | NT5E                                                                                                                                                                       |
| <b>Synonyms</b>        | NT5E; 5-nucleotidase, ecto (CD73); 5 nucleotidase (CD73) , NT5; 5-nucleotidase; CD73; eN; eNT; 5-NT; ecto-5-nucleotidase; Purine 5-Prime-Nucleotidase; NT; NT5; NTE; E5NT; |
| <b>Gene ID</b>         | 4907                                                                                                                                                                       |
| <b>mRNA Refseq</b>     | NM_001204813                                                                                                                                                               |
| <b>Protein Refseq</b>  | NP_001191742                                                                                                                                                               |
| <b>MIM</b>             | 129190                                                                                                                                                                     |
| <b>UniProt ID</b>      | P21589                                                                                                                                                                     |

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