

## Recombinant Cynomolgus NT5E protein(Met1-Lys547), His-tagged

**Cat. No.** NT5E-8848C    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Cynomolgus NT5E (EHH53214.1) (Met1-Lys547) was expressed in HEK293 with a polyhistidine tag at the C-terminus.                                                                                                                           |
| <b>Species</b>          | Cynomolgus                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 1-547 a.a.                                                                                                                                                                                                                                           |
| <b>Form</b>             | Lyophilized from sterile 20 mM Tris, 0.12 M NaCl, 4 mM CaCl <sub>2</sub> , 20% glycerol, pH 7.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                            |
| <b>Bio-activity</b>     | Measured by its ability to hydrolyze the 5'-phosphate group from the substrate adenosine-5'-monophosphate (AMP). The orthophosphate product is measured by a Malachite Green Phosphate Detection Kit. The specific activity is >20, 000 pmol/min/μg. |
| <b>Molecular Mass</b>   | The recombinant cynomolgus NT5E comprises 532 amino acids and has a calculated molecular mass of 59.2 KDa. The apparent molecular mass of it is approximately 59 KDa respectively in SDS-PAGE.                                                       |
| <b>Endotoxin</b>        | < 1.0 EU per μg of the protein as determined by the LAL method                                                                                                                                                                                       |

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 90 % as determined by SDS-PAGE                                                                                                                                                                                                                |
| <b>Storage</b>        | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                   |

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