

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

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

SPECIFICATION

Product Overview	Recombinant Cynomolgus NT5E (EHH53214.1) (Met1-Lys547) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	Cynomolgus
Source	HEK293
ProteinLength	1-547 a.a.
Form	Lyophilized from sterile 20 mM Tris, 0.12 M NaCl, 4 mM CaCl ₂ , 20% glycerol, pH 7.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	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.
Molecular Mass	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.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method

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Purity	> 90 % as determined by SDS-PAGE
Storage	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.
Reconstitution	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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