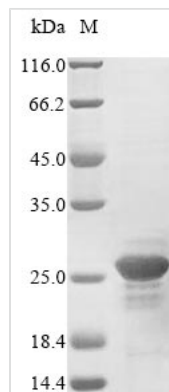




Recombinant Human Nucleoside diphosphate kinase B (NME2), partial

Product Code	CSB-EP015886HU
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P22392
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	ANLERTFIAIKPDGVQRGLVGEIIKRFEQKGFRLVAMKFLRASEEHLKQHYIDLK DRPFFPGLVKYMNSGPVVAMVWEGLNVVKTGRVMLGETNPADSKPGTIRGD FCIQVGRNIIHGSDSVKSAEKEISLWFKPEELVDYKSCAHDWVYE
Lead Time	3-7 business days
Research Area	Neuroscience
Source	E.coli
Gene Names	NME2
Protein Names	Recommended name: Nucleoside diphosphate kinase B Short name= NDK B Short name= NDP kinase B EC= 2.7.4.6Alternative name(s): C-myc purine- binding transcription factor PUF Histidine protein kinase NDKB EC= 2.7.13.3 nm23-
Expression Region	2-152aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	24.2 kDa
Protein Description	Partial

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

This Human NME2 recombinant protein was produced in E.coli, where the gene sequence encoding Human NME2 (2-152aa) was expressed with the N-terminal 10xHis tag and C-terminal Myc tag. The purity of this NME2 protein was greater than 85% by SDS-PAGE.

NME2 is an enzyme that catalyzes the phosphorylation of nucleoside monophosphates, converting them into nucleoside diphosphates. This is an important biochemical process involved in cellular energy metabolism and nucleotide synthesis. NME2 plays a critical role in various cellular biological processes. It is involved in DNA synthesis, RNA synthesis, cell cycle regulation, and cell signal transduction. Additionally, NME2 is associated with cellular antioxidant defense and apoptosis. Furthermore, NME2 is of significant interest in cancer biology. Some studies suggest that NME2 plays a role in tumor suppression as it can regulate the cell cycle and apoptosis. Therefore, abnormal expression of NME2 is associated with the development and progression of various cancers, including breast cancer and prostate cancer.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. 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. Our default final concentration of glycerol is 50%. Customers could use it as reference.