

NME4, human recombinant protein

Nucleoside diphosphate kinase, mitochondrial, NDK, NDPKD, nm23-H4, NM23D

Catalog # PBV11385r

Specification**NME4, human recombinant protein - Product info**

Primary Accession	O00746
Concentration	0.5
Calculated MW	19.6 kDa (176 aa, 33-187 aa + His Tag)
	KDa

NME4, human recombinant protein - Additional Info

Gene ID	4833
Gene Symbol	NME4
Other Names	
Nucleoside diphosphate kinase, mitochondrial, NDK, NDPKD, nm23-H4, NM23D	

Gene Source	Human
Source	E.coli
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	Specific activity is > 15 units/ml
Sequence	MGSSHHHHHH SSGLVPRGSH MPSWTRRTL VAVKPDGVQR RLVGDVIQRF ERRGFTLVGM KMLQAPESVL AEHYQDLRRK PFYPALIRYM SSGPVVAMVW EGYNVVRASR AMIGHTDSAE AAPGTIRGDF SVHISRNVIH ASDSVEGAQR EIQLWFQSSE LVSWADGGQH SSIHPA

Target/Specificity

NME4

Format

Liquid

Storage

-20°C; 0.5 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, and 0.2 M NaCl

NME4, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NME4, human recombinant protein - Images

NME4, human recombinant protein - Background

NME4, also known as nucleoside diphosphate kinase, mitochondrial, belongs to the NDK family. NME4 are ubiquitous enzymes that catalyze transfer of gamma-phosphates, via a phosphohistidine intermediate, between nucleoside and dioxynucleoside tri- and diphosphates. The enzymes are products of the nm23 gene family, which includes NME4. NME4 plays a major role in the synthesis of nucleoside triphosphates other than ATP. Recombinant human NME4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

NME4, human recombinant protein - References

Milon L.,et al.Hum. Genet. 99:550-557(1997).
Kalnine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.
Daniels R.J.,et al.Hum. Mol. Genet. 10:339-352(2001).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Martin J.,et al.Nature 432:988-994(2004).