Datasheet for ABIN7504301

CKMT2 Protein (AA 40-419) (His tag)

Overview

Quantity:	100 μg
Target:	CKMT2
Protein Characteristics:	AA 40-419
Origin:	Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CKMT2 protein is labelled with His tag.

Product Details

Purpose:	Rat CKMT2 Protein
Sequence:	Asp40-Lys419
Characteristics:	Recombinant Rat CKMT2 Protein is expressed from E.coli with His tag at the N-Terminus.It contains Asp40-Lys419.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 μm filtered
Endotoxin Level:	Less than 1EU per μg by the LAL method.

Target Details

Target:	CKMT2
Alternative Name:	CKMT2 (CKMT2 Products)

Target Details

Background:	Mitochondrial Creatine Kinase (MtCK) is responsible for the transfer of high energy phosphate from mitochondria to the cytosolic carrier, creatine, and exists in mammals as two isoenzymes encoded by separate genes. In rats and humans, sarcomere-specific MtCK (sMtCK) is expressed only in skeletal and heart muscle, and has 87 % nucleotide identity across the 1257 bp coding region.
Molecular Weight:	44.48 kDa same as Tris-Bis PAGE result.
NCBI Accession:	NP_001121124

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months