Recombinant Protein Technical Manual

Recombinant Human Creatine Kinase, Muscle/CKM Protein (His Tag)

RPES1132

Product Data:

Product SKU: RPES1132

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P06732

Protein Information:

Molecular Mass:	44.1 kDa
AP Molecular Mass:	46 kDa
Tag:	C-6His
Bio-activity:	
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin:	< 1.0 EU per µg as determined by the LAL method.
Storage:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping:	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at<-20°C.
Formulation:	Supplied as a 0.2 µm filtered solution of 20mM TrisHCl,150mM NaCl,10%Glycerol,pH7.5.
Reconstitution:	Please refer to the printed manual for detailed information.
Application:	
Synonyms:	Creatine kinase M-type;Creatine kinase M chain;M-CK;CKM;CKMM

Immunogen Information:

Sequence: Met 1-Lys381

Background:

Creatine kinase M-type is also known as Creatine kinase M chain,M-CK. It is a protein that in humans is encoded by the CKM gene. It belongs to the ATP:guanido phosphotransferase family,containing 1 phosphagen kinase C-terminal domain and 1 phosphagen kinase N-terminal domain. Creatine kinase M-type can reversibly catalyzes the transfer of phosphate between ATP and various phosphogens. It plays a central role in energy transduction in tissues with large, fluctuating energy demands, such as skeletal muscle, heart, brain and spermatozoa.