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Product datasheet for TP721121

Creatine kinase M type (CKM) (NM_001824) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human creatine kinase, muscle (CKM)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Met1-Lys381
Tag:	C-His
Predicted MW:	44.1 kDa
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_001815
Locus ID:	1158
UniProt ID:	P06732, B2R892
RefSeq Size:	1666
Cytogenetics:	19q13.32
RefSeq ORF:	1143
Synonyms:	CKMM; CPK-M; M-CK
Summary:	The protein encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis and is an important serum marker for myocardial infarction. The encoded protein reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer in striated muscle as well as in other tissues, and as a heterodimer with a similar brain isozyme in heart. The encoded protein is a member of the ATP:guanido phosphotransferase protein family. [provided by RefSeq, Jul 2008]

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Protein Families: Druggable Genome

Protein Pathways: Arginine and proline metabolism, Metabolic pathways