

Creatine Kinase MB - Type I Active Protein

Creatine Kinase MB Isoenzyme Type I

CATALOG #
AAA44773

APPLICATIONS
Western Blot, ELISA

PRODUCT SYNONYMS

Creatine Kinase MB - Type I; Creatine Kinase MB Isoenzyme Type I; rCKMB; rCK-MB; Creatine Kinase MB - Type I active protein

PRODUCT SPECIFICATIONS

Purity/Purification	≥ 95% (SDS-PAGE)
Form/Format	Solution in 20 mM potassium phosphate, 1mM DTT, 50% glycerol (v/v), pH 5-6
Applicable Applications for Creatine Kinase MB - Type I active protein	WB (Western Blot), ELISA
Source	Human, expressed in Pichia pastoris
Appearance	Clear, colorless solution
Unit Definition	One unit will catalyze the transphosphorylation of one micromole of phosphate from creatine phosphate to ADP per minute at 37°C.
Protein	7.9 mg/mL (Coomassie)
pH	5.0 - 7.0
Additional Info	Heterodimer comprised of recombinant, full-length B subunit (accession P12277, 2 - 381) and recombinant M subunit without the C-terminal lysine (accession P06732, 2 - 380)
Activity	3,800 U/mL
Specific Activity	490 U/mg protein
Handling	Handle as a potentially hazardous substance
Recovery	Centrifuge briefly to ensure complete recovery. Avoid freeze- thaw cycles.
E.C Number	2.7.3.2
CAS Number	9001-15-4
Preparation and Storage	-20°C short term -70°C for long term Shipping: Ships with Dry Ice

ADDITIONAL INFORMATION

Related Product Information for Creatine Kinase MB - Type I active protein	Heterodimer comprised of recombinant, full-length B subunit (accession P12277, 2 – 381) and recombinant M subunit without the C-terminal lysine (accession P06732, 2 – 380)
Product Categories/Family for Creatine Kinase MB - Type I active protein	Recombinant; Proteins; Antigens; Enzymes; Standards/controls; Creatine Kinase Mb (ck-mb); Type I

NCBI AND UNIPROT INFORMATION

Molecular Weight	84,000
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/active-protein/creatine-kinase-mb-type-i/44773>