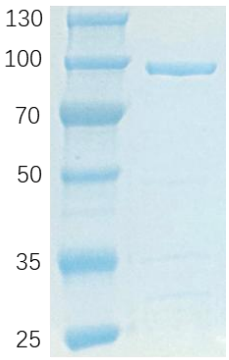
Recombinant Human CKMB Protein

(N-His tag)

EGPS059D

Catalog Number:	EGPS059D-50, EGPS059D-100
Cite ID#:	EN5600691, EN5600692
Amount:	50ug, 100ug
Other names:	Recombinant Human CKMB I; CK-MB Type I
Background:	The three isoenzymes (MM, MB, and BB) are found in muscle, cardiac and brain tissues. These recombinant proteins are ideal for calibrating diagnostic instruments and researching neuromuscular diseases. Creatine Kinases can be used for indications in many neuromuscular applications. These disorders include cardiac disease, mitochondrial disorders, inflammatory myopathies, myasthenia, polymyositis, McArdle's disease, NMJ disorders, muscular dystrophy, ALS, hypo and hyperthyroid disorders, central core disease, acid maltase deficiency, myoglobinuria, rhabdomyolysis, motor neuron diseases, rheumatic diseases, and other that create elevated or reduced levels of Creatine Kinases.
Expression system:	CKMB，produced in E.coli is a single non-glycosylated polypeptide chain containing 762 amino acids. A fully biologically active molecule has a molecular mass of 85.7 kDa. The apparent molecular mass of the protein is approximately 90 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques.
Species:	Human
Source:	E. coli
Amino acid sequence:	MPFGNTHNKFKLNYKPEEEYPDLSKHNNHMAKVLTLELYKKLRDKETPSGFTVDDVIQTGVD NPGHPFIMTVGCVAGDEESYEVFKELFDPIISDRHGGYKPTDKHKTDLNHENLKGGDDLDPN YVLSSRVRTGRSIKGYTLPPHCSRGERRAVEKLSVEALNSLTGEFKGKYYPLKSMTEKEQQQ LIDDHFLFDKPVSPLLLASGMARDWPDARGIWHNDNKSFLVWVNEEDHLRVISMEKGGNMK EVFRRFCVGLQKIEEIFKKAGHPFMWNQHLGYVLTCPSNLGTGLRGGVHVKLAHLSKHPKF EEILTRLRLQKRGTGGVDTAAVGSVFDVSNADRLGSSEVEQVQLVVDGVKLMVEMEKKLEK GQSIDDMIPAQKMPFSNSHNALKLRFPAEDEFPDLSAHNNHMAKVLTPELYAELRAKSTPSG FTLDDVIQTGVDNPGHPYIMTVGCVAGDEESYEVFKDLFDPIIEDRHGGYKPSDEHKTDLNP DNLQGGDDLDPNYVLSSRVRTGRSIRGFCLPPHCSRGERRAIEKLAVEALSSLDGDLAGRYY ALKSMTEAEQQQLIDDHFLFDKPVSPLLLASGMARDWPDARGIWHNDNKTFLVWVNEEDHL RVISMQKGGNMKEVFTRFCTGLTQIETLFKSKDYEFMWNPHLGYILTCPSNLGTGLRAGVHI KLPNLGKHEKFSEVLKRLRLQKRGTGGVDTAAVGGVFDVSNADRLGFSEVELVQMVVDGVK LLIEMEQRLEQGQAIDDLMPAQK
Accession #:	P06732 & P12277
Molecular Weight:	85.7kDa. The apparent molecular mass of the protein is approximately 90kDa with 6XHis tag observed by reducing SDS-PAGE.
Purity:	> 90% as analyzed by SDS-PAGE. The concentration is 0.31mg/ml.
Formulation:	Purified protein solution after extensive dialysis against 20mM Tris,150mM NaCl,pH 8.0.
Endotoxin:	Less than 0.2 EU/μg determined by LAL test.
Storage/Stability:	Samples are stable for up to twelve months from date of receipt at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

For Research Use Only



SDS-PAGE of CKMB (Cat#:EGPS059D).