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32-2983: CKM Type-3 Recombinant Protein

Alternative Name : Creatine kinase M-type,EC 2.7.3.2,Creatine kinase M chain,M-CK,CKM,CKMM,CKMMITIII.

Description

Source : Pichia Pastoris. CKMT3 Human Recombinant produced in Pichia Pastoris is a glycosylated polypeptide chain having an identical amino acid sequence compared to the native enzyme, purified under non-denaturing conditions and reacts with polyclonal antibodies to MM Isoenzyme in ELISA.The CKMT3 is purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	50 µg
Purification :	Greater than 95.0% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Content :	CKMT3 Human Recombinant produced in Pichia Pastoris is a glycosylated polypeptide chain having an identical amino acid sequence compared to the native enzyme, purified under non-denaturing conditions and reacts with polyclonal antibodies to MM Isoenzyme in ELISA.The CKMT3 is purified by proprietary chromatographic techniques.
Storage condition :	CKMT3 although stable at 15°C for 7 days, should be stored below -18°C. Please prevent freeze-thaw cycles.

Application Note

The biological activity measured by the enzymatic activity of Creatine phosphokinase procedure No.45-UV, 1IU-1 µmole creatine phosphate was 500 IU/mg at 37 degrees celsius corresponding to a Specific Activity of 2,000ng/ml.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.