

Recombinant human Creatine kinase U-type, mitochondrial
Catalog Number: CSB-RP098174h



| | |
|---------------------------|---|
| Product Name: | Recombinant human Creatine kinase U-type, mitochondrial |
| Alternative names: | Acidic-type mitochondrial creatine kinase |
| Catalog Number: | CSB-RP098174h |
| Relevance : | Reversibly catalyzes the transfer of phosphate between ATP and various phosphogens (e.g. creatine phosphate). Creatine kinase isoenzymes play a central role in energy transduction in tissues with large, fluctuating energy demands, such as skeletal muscle, heart, brain and spermatozoa. |
| Mol. Weight: | 46kDa |
| Product Info : | His-tagged |
| Source: | E.coli derived |
| Image: | |
| Purity: | >90%(SDS-PAGE) |
| Storage Buffer: | 20mM Tris-HCl,0.5M NaCl,pH 8.0,50% glycerol |
| Storage : | Store at -20°C , for extended storage, conserve at -20°C or -80°C . |
| Notes : | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| AA sequence: | ASERRRLYPPSAEYPLDRKHNNCMASHLTPAVYARLCDKTTPTGWTLDQCIQTGVDNP GHPFIKTVGMVAGDEETYEVFADLFDPIQERHNGYDPRTMKHTTDL DASKIRSGYFDE RYVLSSRVRTGRSIRGLSLPPACTRAERREVERVVVDALSGLKGDLAGRYRLSEMTEA EQQQLIDDHFLFDKPVSPLLTAAGMARDWPDARGIWHNNEKSFLIWWNEEDHTRVISME KGGNMKRVFERFCRGLKEVERLIQERGWEFMWNERLGYILTCPSNLGTGLRAGVHIKL PLLSKDSRFPKILENLRLQKRGTGGVDTAATGGVFDISNLDRLGKSEVELVQLVIDGVNY LIDCERRLERGQDIRIPTPVIHTKH |
| References: | "Isolation and characterization of the gene and cDNA encoding human mitochondrial creatine kinase." Haas R.C., Korenfeld C., Zhang Z., Perryman B., Roman D., Strauss A.W. J. Biol. Chem. 264:2890-2897(1989) |