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Datasheet for ABIN1880696

**CKM Protein (AA 1-381) (His tag)**

## Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 50 µg                                      |
| Target:                       | CKM  |
| Protein Characteristics:      | AA 1-381                                   |
| Origin:                       | Human                                      |
| Source:                       | Human Cells                                |
| Protein Type:                 | Recombinant                                |
| Purification tag / Conjugate: | This CKM protein is labelled with His tag. |

## Product Details

|                  |   |
|------------------|---|
| Purpose:         | Recombinant Human Creatine Kinase, Muscle/CKMM (C-6His)   |
| Sequence:        | MPFGNTHNKF KLNYPKEEY PDLSKHNNHM AKVLTLELYK KLRDKETPSG FTVDVVIQTG<br>VDNPGHPFIM TVGCVAGDEE SYEVFKELFD PIISDRHGGY KPTDKHKTDL NHENLKGDD<br>LDPNYVLSSR VRTGRSIKY TLPPhCSRGE RRAVEKLSVE ALNSLTGEFK GKYYPLKSMT<br>EKEQQQLIDD HFLFDKPVSP LLLASGMARD WPDARGIWHN DNKSLVWVN EEDHLRVISM<br>EKGGNMKEVF RRFCVGLQKI EEIFKKAGHP FMWNQHLGYV LTCPSNLGTG LRGGVHVKLA<br>HLSKHPKFEE ILTRLRLQKR GTGGVDTAAV GSVFDVSNAD RLGSSEVEQV QLVVDGVKLM<br>VEMEKKLEKG QSIDDMIPAQ KVDHHHHHH |
| Characteristics: | Recombinant Human Creatine Kinase, Muscle/CKMM is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Met1-Lys381) of Human CKMM fused with a polyhistidine tag at the C-terminus.   |
| Purity:          | > 95 % as determined by reducing SDS-PAGE.  |

## Product Details

|                  |  |
|------------------|--|
| Sterility:       | 0.2 µm filtered  |
| Endotoxin Level: | Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | CKM   |
| Alternative Name: | CKMM ( <a href="#">CKM Products</a> )   |
| Sub Type:         | Fusionprotein   |
| Background:       | <p>Creatine kinase M-type is also known as Creatine kinase M chain,M-CK. It is a protein that in humans is encoded by the CKM gene. It belongs to the ATP:guanido phosphotransferase family,containing 1 phosphagen kinase C-terminal domain and 1 phosphagen kinase N-terminal domain. Creatine kinase M-type can reversibly catalyzes the transfer of phosphate between ATP and various phosphogens. It plays a central role in energy transduction in tissues with large, fluctuating energy demands, such as skeletal muscle, heart, brain and spermatozoa.</p> <p>Alternative Names: Creatine kinase M-type is also known as Creatine kinase M chain,M-CK.</p> |
| Molecular Weight: | 44.1 kDa  |
| UniProt:          | <a href="#">P06732</a>  |

## Application Details

|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

|                  |   |
|------------------|---|
| Format:          | Liquid  |
| Reconstitution:  | <p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p> |
| Buffer:          | Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl,150 mM NaCl,10 % Glycerol, pH 7.5.  |
| Handling Advice: | Always centrifuge tubes before opening. Do not mix by vortex or pipetting.  |
| Storage:         | -80 °C  |
| Storage Comment: | <p>Store at &lt; -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>   |

Handling

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Expiry Date: 6 months