# Recombinant Human CKM, His tagged

**Cat. No.** CKM-116H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human CKM (AAH07462.1) (Met1-Lys381), fused with a polyhistide tag at the N-terminus, was produced in E. coli. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | 1-381 a.a. |
| **Predicted N Terminal** | His |
| **Form** | Lyophilized from sterile 100mM HEPES, pH 7.0.Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. |
| **Molecular Mass** | The recombinant human CKM consists of 396 amino acids and predicts a molecular mass of 44.9 KDa. It migrates as an approximately 45 KDa band in SDS-PAGE under reducing conditions. |
| **Endotoxin** | < 1.0 eu per μg of the protein as determined by the LAL method. |
| **Purity** | >90 % as determined by SDS-PAGE |
| **Stability** | Samples are stable for up to twelve months from date of receipt at -70oC. |
| **Storage** | Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein |

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| | be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| **Reconstitution** | It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4℃ before opening to recover the entire contents. |

## GENE INFORMATION

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| **Gene Name** | CKM creatine kinase, muscle [ Homo sapiens ] |
| **Official Symbol** | CKM |
| **Gene ID** | 1158 |
| **mRNA Refseq** | NM_001824 |
| **Protein Refseq** | NP_001815 |
| **MIM** | 123310 |
| **UniProt ID** | P06732 |
| **Chromosome Location** | 19q13.32 |

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