



Recombinant Human Hexokinase-1

Product Code	CSB-MP010468HU(F1)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P19367
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	ELKDDQVKKIDKYLYAMRLSDETLIDIMTRFRKEMKNGLSRDFNPTATVKMLPT FVRSIPDGSEKGFIALDLGGSSFRILRVQVNHEKNQNVHMESEVYDTPENIVH GSGSQLFDHVAECLGDFMEKRKIKDKKLPVGFTFSFPCQQSKIDEAILITWTKR FKASGVEGADVVKLLNKAIKKRGDYDANIVAVVNDTVGTMTCGYDDQHCEV GLIIGTGTNACYMEELRHIDLVEGDEGRMCINTEWGAFGDDGSLEDIRTEFDR EIDRGSLNPGKQLFEKMOVSGMYLGELVRLILVKMAKEGLLFEGRITPELLTRGK FNTSDVSAIEKNKEGLHNAKEILTRLGVEPSDDDCVSVQHVCTIVSFRSANLVA ATLGAILNRLRDNKGTPRLRRTTVGVGDSLYKTHPQYSRRFHKTLRRLVPDSV RFLLESSESGSGKGAAMVTAVAYRLAEQHRQIEETLA
Research Area	Metabolism
Source	Mammalian cell
Target Names	HK1
Expression Region	13-475aa
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Regulatory
Target Details	Hexokinases phosphorylate glucose to produce glucose-6-phosphate, the first step in most glucose metabolism pathways. This gene encodes a ubiquitous form of hexokinase which localizes to the outer membrane of mitochondria. Mutations in this gene have been associated with hemolytic anemia due to hexokinase deficiency. Alternative splicing of this gene results in five transcript variants which encode different isoforms, some of which are tissue-specific. Each isoform has a distinct N-terminus; the remainder of the protein is identical among all the isoforms. A sixth transcript variant has been described, but due to the presence of several stop codons, it is not thought to encode a protein.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients,



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