# Recombinant Mouse Hepatocyte nuclear factor 4-alpha (Hnf4a)

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| **Product Code** | CSB-EP010594MO-B |
| **Storage** | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| **Uniprot No.** | P49698 |
| **Product Type** | Recombinant Protein |
| **Immunogen Species** | Mus musculus (Mouse) |
| **Purity** | >85% (SDS-PAGE) |
| **Sequence** | MRLSKTLAGM DMADYSAALD PAYTTLEFEN VQVLTMGNDT SPSEGANLNS SNSLGVSALC AICGDRATGK HYGASSCDGC KGFFRRSVRK NHMYSCRFSR QCVVDKDKRN QCRYCRLKKC FRAGMKKEAV QNERDRISTR RSSYEDSSLP SINALLQAEV LSQQITSPIS GINGDIRAKK IANITDVCES MKEQLLVLVE WAKYIPAFCE LLLDDQVALL RAHAGEHLLL GATKRSMVFK DVLLLGNDYI VPRHCPELAE MSRVSIRILD ELVLPFQELQ IDDNEYACLK AIIFFDPDAK GLSDPGKIKR LRSQVQVSLE DYINDRQYDS RGRFGELLLL LPTLQSITWQ MIEQIQFIKL FGMAKIDNLL QEMLLGGSAS DAPHTHHPLH PHLMQEHMGT NVIVANTMPS HLSNGQMCEW PRPRGQAATP ETPQPSPPSG SGSESYKLLP GAITTIVKPP SAIPQPTITK QEAI |
| **Source** | E.coli |
| **Target Names** | Hnf4a |
| **Protein Names** | Recommended name: Hepatocyte nuclear factor 4-alpha Short name= HNF-4-alpha Alternative name(s): Nuclear receptor subfamily 2 group A member 1 Transcription factor 14 Short name= TCF-14 Transcription factor HNF-4 |
| **Expression Region** | 1-474 |
| **Notes** | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| **Tag Info** | Tag type will be determined during the manufacturing process. |
| **Protein Length** | Full length protein |
| **Target Details** | This protein is a nuclear transcription factor which binds DNA as a homodimer. The encoded protein controls the expression of several genes, including hepatocyte nuclear factor 1 alpha, a transcription factor which regulates the expression of several hepatic genes. This gene may play a role in development of the liver, kidney, and intestines. Mutations in this gene have been associated with monogenic autosomal dominant non-insulin-dependent diabetes mellitus type I. Alternative splicing of this gene results in multiple transcript variants. |
| **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 |

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| | 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, storage temperature and the stability of the protein itself.<br>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. |