



# Recombinant Mouse Hepatocyte nuclear factor 1-alpha (Hnf1a)

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| <b>Product Code</b>      | CSB-YP010592MO  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | P22361  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Mus musculus (Mouse)  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MVSKLSQLQT ELLAALLESGLSKEALIQALGEPGPYLMVGEGLDKGESC<br>GGSRGDLTEL PNLGGETRGS EDDTDDDDGED FAPPILKELE NLSPEEAAHQ<br>KAVVESLLQE DPWRVAKMVK SYLQQHNIPQ REVVDTTGLN QSHLSQHLNK<br>GTPMKTQKRA ALYTWYVRKQ REVAQQFTHA GQGGLIEEPT GDELPTKKGR<br>RNRFKWGPAS QQILFQAYER QKNPSKEERE TLVEECNRAE CIQRGVSPSQ<br>AQGLGSLNLT EVRVYNWFAN RRKEEAFRHK LAMDTYNGPP PGPGPALP<br>AHSSPGLPTT TLSPSKVHGV RYQQSATSEA AEPSSSSGGP LVTVSAALHQ<br>VSPTGLEPSS LLSTEAKLVS ATGGPLPPVS TLTALHSLEQ TSPGLNQQPQ<br>NLIMASLPGV MTIGPGEPAS LGPTFTNTGA STLVIGLAST QAQSVPVINS<br>MGSSLTTLQP VQFSQPLHPS YQQPLMPPVQ SHVAQSPFMA TMAQLQSPHA<br>LYSHKPEVAQ YTHTSLLPQT MLITDTNLST LASLTPTKQV FTSDEASSE<br>PGLHEPPSPA TTIHIPSQDP SNIQHLQPAH RLSTSPVSS SSLVLYQSSD<br>SNGHSHLLPS NHSVIETFIS TQMASSSQ |
| <b>Source</b>            | Yeast   |
| <b>Target Names</b>      | Hnf1a   |
| <b>Protein Names</b>     | Recommended name: Hepatocyte nuclear factor 1-alpha Short name= HNF-1-alpha Short name= HNF-1A Alternative name(s): Liver-specific transcription factor LF-B1 Short name= LFB1 Transcription factor 1 Short name= TCF-1   |
| <b>Expression Region</b> | 1-628   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | Full length protein   |
| <b>Target Details</b>    | This protein is a transcription factor required for the expression of several liver-specific genes. The encoded protein functions as a homodimer and binds to the inverted palindrome 5'-GTTAATNATTAAC-3'. Defects in this gene are a cause of maturity onset diabetes of the young type 3 (MODY3) and also can result in the appearance of hepatic adenomas.   |
| <b>Reconstitution</b>    | 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.

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**Shelf Life**

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.