



# Recombinant Mouse Growth/differentiation factor 7 (Gdf7)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-MP009351MO  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | P43029  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Mus musculus (Mouse)  |
| <b>Purity</b>            | ≥85% (SDS-PAGE)   |
| <b>Sequence</b>          | TALAG TRGAQGSGGG GGGGGGGGGG GGGGGGGAGR GHGRRGRSRC<br>SRKSLHVDFK ELGWDDWIIA PLDYEAHCE GVCDFPLRSH LEPTNHAIQ<br>TLLNSMAPDA APASCCV PAR LSPISILYID AANNVVKQY EDMVVEACGC R   |
| <b>Source</b>            | Mammalian cell  |
| <b>Target Names</b>      | Gdf7  |
| <b>Protein Names</b>     | Recommended name: Growth/differentiation factor 7 Short name= GDF-7   |
| <b>Expression Region</b> | 316-461   |
| <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 of Mature Protein   |
| <b>Target Details</b>    | This gene encodes a member of the bone morphogenetic protein (BMP) family. BMPs belong to the transforming growth factor-beta superfamily of secreted signalling molecules that regulate diverse processes in growth, repair and embryonic development. In mouse, this gene functions as an inductive signal from the roof plate required for the specification of neuronal identity in the dorsal spinal cord. |
| <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.     |
| <b>Shelf Life</b>        | 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.   |