



# Recombinant Mouse Protein Wnt-10a (Wnt10a)

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| <b>Product Code</b>      | CSB-BP026129MO  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | P70701  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Mus musculus (Mouse)  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | VPRSAPNDILGLRLPPEPVLNANTVCLTLPGLSRRQMEVCVRHPDVAASAIQGI<br>QIAIHE<br>CQHQRDQRWNCSSLETRNKVPYESPIFSRGFRESAFAYAIAAAGVVHAVSN<br>ACALGKLK<br>ACGCDASRRGDEEAFRRKLHRLQLDALQRGKGLSHGVPEHPAILPASPGLQD<br>SWEWGGCS<br>PDVGFGERFSKDFLDSREPHRDIHARMRLHNNRVGRQAVMENMRRKCKCHG<br>TSGSCQLKT<br>CWQVTPEFRTVGALLRNRFRATLIRPHNRNGGQLEPGPAGAPSPAPGTPGL<br>RRRASHSD<br>LVYFEKSPDFCEREPRLDSAGTVGRLCNKSSTGPDGCGSMCCGRGHNILRQT<br>RSERCHCR FHWCCFVVCEEWRITEWVSVCK   |
| <b>Source</b>            | Baculovirus   |
| <b>Target Names</b>      | Wnt10a  |
| <b>Protein Names</b>     | Recommended name: Protein Wnt-10a   |
| <b>Expression Region</b> | 36-417  |
| <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>    | The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family. It is strongly expressed in the cell lines of promyelocytic leukemia and Burkitt's lymphoma. In addition, it and another family member, the WNT6 gene, are strongly coexpressed in colorectal cancer cell lines. The gene overexpression may play key roles in carcinogenesis through activation of the WNT-beta-catenin-TCF signaling pathway. This gene and the WNT6 gene are clustered in the chromosome 2q35 region. |
| <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.