



# Recombinant Mouse Protein Wnt-7a (Wnt7a)

|                          |   |
|--------------------------|---|
| <b>Product Code</b>      | CSB-EP026141MO-B  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | P24383  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Mus musculus (Mouse)  |
| <b>Purity</b>            | ≥85% (SDS-PAGE)   |
| <b>Sequence</b>          | LGASIICNK IPGLAPRQRA ICQSRPDII VIGEGSQMGL DECQFQFRNG<br>RWNCALGER TVFGKELKVG SREAAFTYAI IAAGVAHAIT AACTQGNLSD<br>CGCDKEKQGQ YHRDEGWKVG GCSADIRYGI GFAKVFVDAR EIKQNARTLM<br>NLHNNEAGRK ILEENMKLEC KCHGVSGSCT TKTCWTTLPQ FRELGYVLKD<br>KYNEAVHVEP VRASRNKRPT FLKIKKPLSY RKPMDTDLVY IEKSPNYCEE<br>DPVTGSGVTQ GRACNKTAPQ ASGCDLMCCG RGYNTHQYAR<br>VWQCNCXKFW CCYVKCNTCS ERTEMYTCK   |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | Wnt7a   |
| <b>Protein Names</b>     | Recommended name: Protein Wnt-7a  |
| <b>Expression Region</b> | 32-349  |
| <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 is a member of the WNT gene family, which consists of structurally related genes that 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 involved in the development of the anterior-posterior axis in the female reproductive tract, and also plays a critical role in uterine smooth muscle patterning and maintenance of adult uterine function. Mutations in this gene are associated with Fuhrmann and Al-Awadi/Raas-Rothschild/Schinzel phocomelia syndromes. |
| <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.