



# Recombinant Mouse Mothers against decapentaplegic homolog 5 (Smad5)

|                          |  |
|--------------------------|--|
| <b>Product Code</b>      | CSB-EP021790MO-B   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | P97454   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Mus musculus (Mouse)   |
| <b>Purity</b>            | ≥85% (SDS-PAGE)  |
| <b>Sequence</b>          | TSMASLFSF TSPAVKRLLG WKQGDEEEKW AEKAVDALVK KLKKKKGAME<br>ELEKALSSPG QPSKCVTIPR SLDGRLQVSH RKGLPHVIYC RVWRWPDLQS<br>HHELKPLDIC EFPFGSKQKE VCINPYHYKR VESPVLPV L VPRHNEFN PQ<br>HLLVQFRNL SHNEPHMPQN ATFPDSFHQP NNAPFPLSPN SPYPPSPASS<br>TYPNSPASSG PGSPFQLPAD TPPPAYMPPD DQMAPDNSQP MDTSSNMIPQ<br>TMPSSSRDV QPVAYECPKH WCSIVYYELN NRVGEAFHAS STSVLVDGFT<br>DPSNNKSRFC LGLLSNVNRN STIENTRRHI GKGVHLYYVG GEVYAECLSD<br>SSIFVQSRNC NFHHGFHPTT VCKIPSSCSL KIFNNQEFAQ LLAQSVNHGF<br>EAVYELTKMC TIRMSFVKGW GAEYHRQDVT STPCWIEIHL HGPLQWLDKV<br>LTQMGSPLNP ISSVS |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | Smad5  |
| <b>Protein Names</b>     | Recommended name: Mothers against decapentaplegic homolog 5 Short name= MAD homolog 5 Short name= Mothers against DPP homolog 5 Alternative name(s): Dwarfing-C Short name= Dwf-C SMAD family member 5 Short name= SMAD  |
| <b>Expression Region</b> | 2-465  |
| <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>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.  |