



# Recombinant Mouse Telomeric repeat-binding factor 2 (Terf2)

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| <b>Product Code</b>      | CSB-EP023388MO-B   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | O35144   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Mus musculus (Mouse)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | <p>MAAGAGTAGP ASGPGVVRDP MASQPRKRPS REGGEGEGE<br/> RRSNTMAGGG GSSDSSGRAA SRRASRSGGR ARRGRHEPGL<br/> GGAAERGAGE ARLEEAVNRW VLKFYFHEAL RAFRSSRYRD FRQIRDIMQA<br/> LLVRPLGKEH TVSRLLRVMQ CLSRIEEN LDCSFDMEAE LTPLESAINV<br/> LEMIKTEFTL TDSMVESSRK LVKEAAVIIC IKNKEFEKAS KILKKYMSKD<br/> PTTQKLRTDL LNIIREKNLA HPVIQNFYSYE VFQQKMLRFL ESHLDDTEPY<br/> LLTMAKKALK SESAASSTMR EEKHPEPVEK PLREPPSRQP QNPPATIGIR<br/> TLKAAFKALS TAQDSEAAFA KLDQKDLVLA NLASPSSPAH KHKRPRKDEH<br/> ESAAPAELEG GSDRQPRNSP MTISRLLEE DSQSTEPSPG LNSSHKAMSA<br/> SKPRALNQP PGEKKPKASK DKWNSPngle EKEVWLEEDQ<br/> LFEVQAPGED RSSSLTRKQK WTIEESEWVK DGVRKYGEGN WAAISKSYPF<br/> VNRTAVMIKD RWRTMKKLG M N</p> |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | Terf2  |
| <b>Protein Names</b>     | Recommended name: Telomeric repeat-binding factor 2 Alternative name(s): TTAGGG repeat-binding factor 2 Telomeric DNA-binding protein  |
| <b>Expression Region</b> | 1-541  |
| <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 gene encodes a telomere specific protein, TERF2, which is a component of the telomere nucleoprotein complex. This protein is present at telomeres in metaphase of the cell cycle, is a second negative regulator of telomere length and plays a key role in the protective activity of telomeres. While having similar telomere binding activity and domain organization, TERF2 differs from TERF1 in that its N terminus is basic rather than acidic.  |
| <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.