



# Recombinant Mouse Left-right determination factor 1 (Lefty1)

<b>Product Code</b>	CSB-EP012857MO
<b>Abbreviation</b>	Lefty1
<b>Storage</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.
<b>Uniprot No.</b>	Q64280
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	RFSQ NLREVAGRFL VSETSTHLLV FGMEQRLPPN SELVQAVLRL FQEPVPTAL RRQKRLSPHS ARARVTIEWL RFRDDGSNRT ALIDSRLVSI HESGWKAFDV TEAVNFWQQL SRPRQPLLLQ VSVQREHLGP GTWSSHKLVR FAAQGTPDGK GQGEPQLELH TLDLKDYGAQ GNCDPEAPVT EGTRCCRQEM YLDLQGMKWA ENWILEPPGF LTYECVGSC QLPESLTSRW PFLGPRQCV A SEMTSLPMIV SVKEGGTRTP QVVSLPNMRV QTCSCASDGA LIPRRLQP
<b>Source</b>	E.coli
<b>Target Names</b>	Lefty1
<b>Protein Names</b>	Recommended name: Left-right determination factor 1 Alternative name(s): Protein lefty-1 Short name= Lefty protein Stimulated by retinoic acid gene 3 protein Transforming growth factor beta-4 Short name= TGF-beta-4
<b>Expression Region</b>	77-368
<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 TGF-beta family of proteins. A similar secreted protein in mouse plays a role in left-right asymmetry determination of organ systems during development. Alternative processing of this protein can yield three different products. This gene is closely linked to both a related family member and a related pseudogene.
<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.

---

**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.