



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

<b>Product Code</b>	CSB-EP012857MO-B
<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 FQEPVVRTAL RRQKRLSPHS ARARVTIEWL RFRDDGSNRT ALIDSRLVSI HESGWKAFDV TEAVNFWQQL SRPRQPLLLQ VSVQREHLGP GTWSSHKLVR FAAQGTPDGK GQGEPQLELH TLDLKDYGAA GNCDPEAPVT EGTRCCRQEM YLDLQGMKWA ENWILEPPGF LTYECVGSC QLPESLTSRW PFLGPRQCVA SEMTSLPMIV SVKEGGRTRP 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.