



Recombinant Mouse Thyrotropin receptor (Tshr), partial

Product Code	CSB-EP025131MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80
Uniprot No.	P47750
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	KECASPPCECHQEDDFRVTCKELHRIPSLPPSTQTLKLIETHLKTIPSLAFSSLP NISRI YLSIDATLQRLEPHSFYNLSKMTHIEIRNTRSLTYIDPDALTELPLLKFLGIFNTGL RIF PDLTKIYSTDIFFILEITDNPYMTSVPENAFQGLCNETLTLKLYNNGFTSVQGHA FNGTK LDAVYLNKNKYLT AIDNDAFGGVYSGPTLLDVSSTS VTALPSKGLEHLKELIAKD TWTLK KLPLSLSFLHLTRADLSYP SHCCAFKNQKKIRGILES LMCNESSIRNLRQRKSV NILRGP IYQEYEEDPGDNSVGYKQNSKFQESPSNSHYVFFEEQEDEVVGFQELKNP QEETLQAF ESHYDYTVCGDNEDMVCTPKSDEFNPCEDIMG
Source	E.coli
Target Names	Tshr
Protein Names	Recommended name: Thyrotropin receptor Alternative name(s): Thyroid-stimulating hormone receptor Short name= TSH-R
Expression Region	22-413
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Partial
Target Details	This protein is a membrane protein and a major controller of thyroid cell metabolism. The encoded protein is a receptor for thyrothropin and thyrostimulin, and its activity is mediated by adenylate cyclase. Defects in this gene are a cause of several types of hyperthyroidism. Three transcript variants encoding different isoforms have been found for this gene.
Reconstitution	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.