



Recombinant Rat TGF-beta receptor type-2 (Tgfbr2), partial

Product Code	CSB-EP023452RA1-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P38438
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	IPPHVPK SVNSDLMAGD NSGAVKLPQL CKFCDVTLST CDNQKSCMSN CSVTSICEKP QEVCVAVWRK NDKNITLETV CHDPKFTYHG FTLEDATSPT CVMKEKKRAG ETFFMCSCNT EECNDYIIFN EYTTSSPDL LLVIQ
Source	E.coli
Target Names	Tgfbr2
Protein Names	Recommended name: TGF-beta receptor type-2 Short name= TGFR-2 EC= 2.7.11.30 Alternative name(s): TGF-beta type II receptor Transforming growth factor-beta receptor type II Short name= TGF-beta receptor type II Short na
Expression Region	24-166
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 gene encodes a member of the Ser/Thr protein kinase family and the TGFB receptor subfamily. The encoded protein is a transmembrane protein that has a protein kinase domain, forms a heterodimeric complex with another receptor protein, and binds TGF-beta. This receptor/ligand complex phosphorylates proteins, which then enter the nucleus and regulate the transcription of a subset of genes related to cell proliferation. Mutations in this gene have been associated with Marfan Syndrome, Loeys-Deitz Aortic Aneurysm Syndrome, and the development of various types of tumors. Alternatively spliced transcript variants encoding different isoforms have been characterized.
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.