



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

<b>Product Code</b>	CSB-MP023452RA1
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P38438
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	IPPHVPK SVNSDLMAGD NSGAVKLPQL CKFCDVTLST CDNQKSCMSN CSVTSICEKP QEVCVAVWRK NDKNITLETV CHDPKFTYHG FTLEDATSPT CVMKEKKRAG ETFFMCSCNT EECNDYIIFN EYTTSSPDL LLVIQ
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Tgfbr2
<b>Protein Names</b>	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
<b>Expression Region</b>	24-166
<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>	Partial
<b>Target Details</b>	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.
<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.
<b>Shelf Life</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.