



# Recombinant Rat TGF-beta receptor type-1 (Tgfbr1), partial

<b>Product Code</b>	CSB-EP023451RA-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P80204
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	LQCFCHLCTKDNFTCETDGLCFVSVTETTTDKVIHNSMCIAEIDLIPRDRPFVFCAP SSKTG AVTYCCNQDHCNKIELPTTGPFSEKQSAGLGPVEL
<b>Source</b>	E.coli
<b>Target Names</b>	Tgfbr1
<b>Protein Names</b>	Recommended name: TGF-beta receptor type-1 Short name= TGFR-1 EC= 2.7.11.30 Alternative name(s): Serine/threonine-protein kinase receptor R4 Short name= SKR4 TGF-beta type I receptor Transforming growth factor-beta rec
<b>Expression Region</b>	30-124
<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 protein forms a heteromeric complex with type II TGF-beta receptors when bound to TGF-beta, transducing the TGF-beta signal from the cell surface to the cytoplasm. The encoded protein is a serine/threonine protein kinase. Mutations in this gene have been associated with Loeys-Dietz aortic aneurysm syndrome (LDAS). Multiple transcript variants encoding different isoforms have been found for this gene.
<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.