



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

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| Product Code | CSB-EP023451RA |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | P80204 |
| Product Type | Recombinant Protein |
| Immunogen Species | Rattus norvegicus (Rat) |
| Purity | >85% (SDS-PAGE) |
| Sequence | LQCFCHLCTKDNFTCETDGLCFVSVTETTTDKVIHNSMCIAEIDLIPDRPFVFCAP SSKTG AVTYCCNQDHCNKIELPTTGPFSEKQSAGLGPVEL |
| Source | E.coli |
| Target Names | Tgfbr1 |
| Protein Names | 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 |
| Expression Region | 30-124 |
| 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 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. |
| 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. |