



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

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| Product Code | CSB-MP023452RA1 |
| 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 | Mammalian cell |
| 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.