



Recombinant Human TGF-beta receptor type-1 (TGFBFR1), partial

Product Code	CSB-MP023451HU1
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P36897
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	LQCFCHL CTKDNFTCVT DGLCFVSVTE TTDKVIHNSM CIAEIDLIPR DRPFVCPASS KTGSVTTTYC CNQDHCNKIE LPTTVKSSPG LGPVEL
Source	Mammalian cell
Target Names	TGFBFR1
Protein Names	Recommended name: TGF-beta receptor type-1 Short name= TGFR-1 EC= 2.7.11.30 Alternative name(s): Activin A receptor type II-like protein kinase of 53kD Activin receptor-like kinase 5 Short name= ALK-5 Short name= AL
Expression Region	34-126
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.