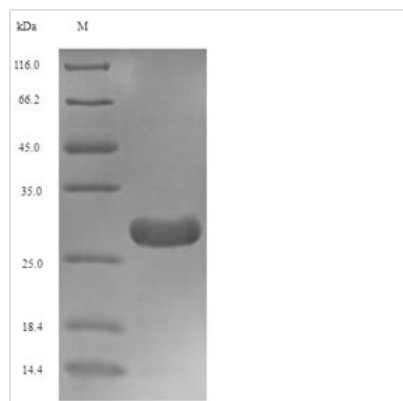




Recombinant *Xenopus laevis* Transforming growth factor beta-1 (tgfb1)

Product Code	CSB-EP023446XBE
Relevance	Important role in certain aspects of differentiation.
Abbreviation	Recombinant <i>Xenopus laevis</i> tgfb1 protein
Storage	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.
Uniprot No.	P16176
Alias	Short name: TGF-beta-1 Alternative name(s): TGF-beta-5
Product Type	Recombinant Protein
Immunogen Species	<i>Xenopus laevis</i> (African clawed frog)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	GVGQEYCFGNNGPNCCVKPLYINFRKDLGWKWIHEPKGYEANYCLGNCPYIW SMDTQYSKVLSLYNQNNPGASISPCCVDPVLEPLPIIYYVGRTAKVEQLSNMNV RSCNCS
Research Area	Signal Transduction
Source	E.coli
Target Names	tgfb1
Expression Region	271-382aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	28.6kDa
Protein Length	Full Length of Mature Protein

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



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.