

TGF- β 1, human recombinant protein (E. Coli)
Transforming growth factor beta-1, TGF-beta-1, CED, DPD1, TGFB, TGF-b 1, LAP, TGFB1.
Catalog # PBV11402r

Specification

TGF- β 1, human recombinant protein (E. Coli) - Product info

Primary Accession	P01137
Calculated MW	15.09 kDa (279 to 390 aa + NT-His Tag). KDa

TGF- β 1, human recombinant protein (E. Coli) - Additional Info

Gene ID	7040
Gene Symbol	TGFB1
Other Names	
Transforming growth factor beta-1, TGF-beta-1, CED, DPD1, TGFB, TGF-b 1, LAP, TGFB1.	
Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; $\geq 95\%$
Assay2&Purity2	N/A;
Recombinant	Yes
Target/Specificity	
TGF- β 1	

Application Notes

Centrifuge the vial prior to opening. Reconstitute in water to a stock concentration of 1 mg/ml and further dilute in buffer of choice.

Format

Lyophilized

Storage

-20°C; Lyophilized without any additives.

TGF- β 1, human recombinant protein (E. Coli) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TGF- β 1, human recombinant protein (E. Coli) - Images**TGF- β 1, human recombinant protein (E. Coli) - Background**

Transforming growth factor-betas (TGF- β s) mediate many cell-cell interactions that occur during embryonic development. Three TGF β s have been identified in mammals. TGF-Beta 1, TGF-Beta 2 and TGF-Beta 3 are each synthesized as precursor proteins that are very similar in that each is cleaved to yield a 112 amino acid polypeptide that remains associated with the latent portion of the molecule. TGF-beta 1 is involved in hematopoiesis and endothelial differentiation.

TGF- β 1, human recombinant protein (E. Coli) - References

Derynck R.,et al.Nucleic Acids Res. 15:3188-3189(1987).
Derynck R.,et al.Nature 316:701-705(1985).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.