

Human CellExp TGF-beta 1, Human recombinant protein
Human Cellexp Human Recombinant TGF-beta 1
Catalog # PBV10711r**Specification**

Human CellExp TGF-beta 1, Human recombinant protein - Product info

Primary Accession [P01137](#)
Calculated MW **25 kDa, homodimer, nonglycosylated KDa**

Human CellExp TGF-beta 1, Human recombinant protein - 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 **Human 293 cell expressed**
Assay&Purity **SDS-PAGE; > 95%**
Assay2&Purity2 **N/A;**
Recombinant **Yes**
Results **0.1 to 0.5 ng/ml**

Application Notes

Reconstitute in sterile 4 mM HCl containing 0.1% endotoxin-free recombinant human serum albumin.

Format

Lyophilized

Storage

-80°C; Lyophilized from 50 mM sodium acetate, pH 4.5 and 350 mM NaCl.

Human CellExp TGF-beta 1, Human recombinant protein - 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](#)

Human CellExp TGF-beta 1, Human recombinant protein - Images**Human CellExp TGF-beta 1, Human recombinant protein - Background**

Transforming growth factor betas (TGF β) 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.

Human CellExp TGF-beta 1, Human recombinant protein - 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.