

TGF Beta-1 Active Protein | TGFBeta-1 active protein

Biotinylated Human TGF Beta-1 Recombinant

CATALOG #	HOST
AAA76386	HEK293 cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)

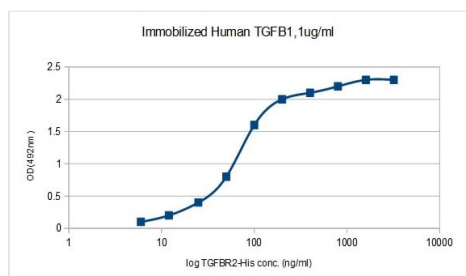
PRODUCT SYNONYMS

TGF Beta-1; Biotinylated Human TGF Beta-1 Recombinant; TGFBeta-1 active protein

PRODUCT SPECIFICATIONS

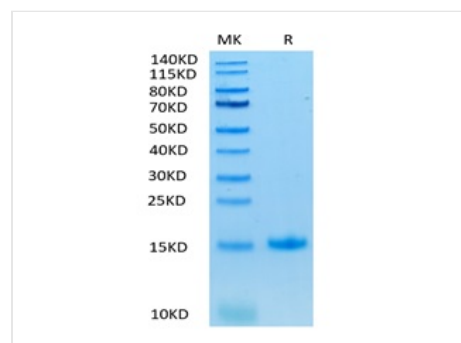
Host	HEK293 cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)
Purity/Purification	>90%, as determined by SDS-PAGE and HPLC
Form/Format	Biotinylated Recombinant TGF-b1 is lyophilized from 0.2 um filtered PBS solution pH 7.4.
Source	DNA sequence encoding Human Transforming Growth Factor Beta-1 mature chain was expressed in HEK293 cells fused to C terminal AVI tag
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1EU/ug).
Biological Activity	The ED(50) was determined by in a functional ELISA assay binding human TGFBR2 at 1ug/ml and was determined to be 15ng/ml.
Biotinylation	TGFB1 is biotinylated in-vitro at a single site using the AVI tag biotinylation technology.
Molecular Function	Growth-factor, Mitogen
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	Upon reconstitution, this cytokine can be stored in working aliquots at 2 degree -8 degree C for one month, or at-20 degree C for six months. Avoid repeated freeze/thaw cycles.

IMAGES



ELISA

Biotinylated TGFB-1 ELISA Immobilized Biotinylated Human TGF Beta1 at 1ug/ml (100ul/Well). Response curve for TGFBR2 with a linear range of 2-100 ng/ml was determined by ELISA



Tris-Bis-PAGE

Biotinylated TGFB-1 protein PAGE 1ug loaded Tris-Bis PAGE under reducing condition. The purity is greater than 95%.

ADDITIONAL INFORMATION

Product Categories/Family for TGFBeta-1 active protein	Recombinant Human Cytokines; Biotinylated proteins; Cytokines
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NCBI AND UNIPROT INFORMATION

NCBI GI #	63025222
NCBI GeneID	7040
NCBI Accession #	NP_000651.3
NCBI GenBank Nucleotide #	NM_000660.4
UniProt Accession #	P01137; P01730 CD4_HUMAN; P37023 ACVL1_HUMAN; P18564; P36897 TGFR1_HUMAN; P37173 TGFR2_HUMAN; Q03167; Q14392 LRC32_HUMAN; Q14766; Q62356 FSTL1_MOUSE
Molecular Weight	44,341 Da
NCBI Official Full Name	transforming growth factor beta-1
NCBI Official Synonym Full Names	transforming growth factor, beta 1
NCBI Official Symbol	TGFB1
NCBI Official Synonym Symbols	CED; LAP; DPD1; TGFB; TGFbeta
NCBI Protein Information	transforming growth factor beta-1; TGF-beta-1; TGF-beta 1 protein; latency-associated peptide
UniProt Protein Name	Transforming growth factor beta-1
UniProt Gene Name	TGFB1
UniProt Synonym Gene Names	TGFB; TGF-beta-1; LAP
UniProt Entry Name	TGFB1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/hek293-tgfbeta-1-active-protein/tgf-beta-1/76386>