

Latent TGF beta 1/TGFB1 Recombinant Protein | TGFB1 recombinant protein

Biotinylated Human Latent TGF beta 1/TGFB1 Protein Recombinant

CATALOG #	HOST
AAA76216	HEK293 cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)

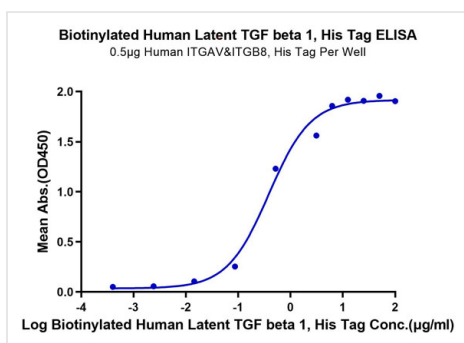
PRODUCT SYNONYMS

Latent TGF beta 1/TGFB1; Biotinylated Human Latent TGF beta 1/TGFB1 Protein Recombinant; TGFB1 recombinant protein

PRODUCT SPECIFICATIONS

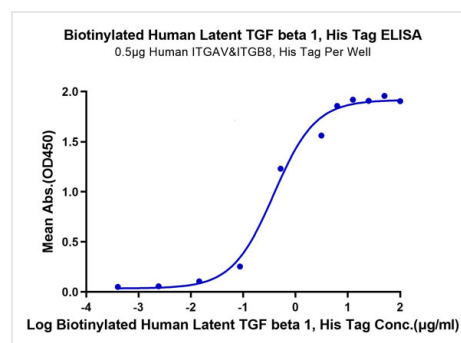
Host	HEK293 cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)
Purity/Purification	>95%, as determined by SDS-PAGE and HPLC
Form/Format	Recombinant Human Latent TGF beta 1/TGFB1 was lyophilized from 0.2 um filtered PBS solution pH7.4
Source	DNA sequence encoding Human Latent TGF beta 1/TGFB1 including a N-His-Avi tag was expressed in HEK293 Cells. The recombinant protein was then biotinylated site specific using the AVItag biotinylation technology.
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).
Molecular Function	Growth-factor, Mitogen
Reconstitution	Centrifuge vial to ensure maximal product extraction, recommended: 20sec, 5K RPM
Preparation and Storage	The lyophilized protein is stable for at least 2 years from date of receipt at -20 degree C.

IMAGES



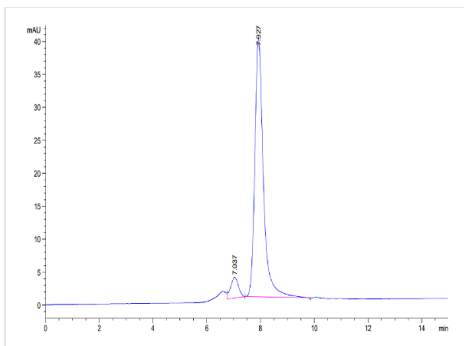
ELISA

Biotinylated Human Latent TGF beta 1/TGFB1 Protein ELISA Data: Immobilized Human ITGAV&ITGB8, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human Latent TGF beta 1, His Tag with the EC50 of 0.39µg/ml determined by ELISA.



ELISA

Biotinylated Human Latent TGF beta 1/TGFB1 Protein ELISA Data: Immobilized Human ITGAV&ITGB6, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Human Latent TGF beta 1, His Tag with the EC50 of 0.10µg/ml determined by ELISA.



Application Data

Biotinylated Human Latent TGF beta 1/TGFB1 Protein SEC-HPLC The purity of Biotinylated Human Latent TGF beta 1 is greater than 93% as determined by SEC-HPLC.



Tris-Bis-PAGE

Biotinylated Human Latent TGF beta 1/TGFB1 Protein Tris-Bis PAGE Biotinylated Human Latent TGF beta 1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

ADDITIONAL INFORMATION

Product Categories/Family for TGFB1 recombinant protein

Biotinylated proteins

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/tgfb1-recombinant-protein-hek293-cells/76216>