

Product datasheet for **TP728074**

TGF beta 1 (TGFB1) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Biotinylated Human TGF-beta 1 (N-Avi)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ala279-Ser390
Tag:	N-Avi
Buffer:	Lyophilized from a 0.2 um filtered solution of 50mM Glycine-HCl, 150mM NaCl, pH2.5.
Note:	Biotinylated Recombinant Human Transforming Growth Factor beta 1 is produced by our Mammalian expression system and the target gene encoding Ala279-Ser390 is expressed with a Avi tag at the N-terminus.
Stability:	12 months from date of despatch
Locus ID:	7040
UniProt ID:	P01137
Summary:	Transforming Growth Factor β -1 (TGF β -1) is a secreted protein which belongs to the TGF- β family. TGF β -1 is abundantly expressed in bone, articular cartilage and chondrocytes and is increased in osteoarthritis (OA). TGF β -1 performs many cellular functions, including the control of cell growth, cell proliferation, cell differentiation and apoptosis. The precursor is cleaved into a latency-associated peptide (LAP) and a mature TGF β -1 peptide. TGF β -1 may also form heterodimers with other TGF β family members. It has been found that TGF β -1 is frequently upregulated in tumor cells. Mutations in this gene results in Camurati-Engelmann disease.



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