

Recombinant Human TGFB1 Protein

Cat. No. TGFB1-226H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Transforming Growth Factor beta 1 is produced by our Mammalian expression system and the target gene encoding Ala279-Ser390 is expressed.
Species	Mouse
Source	Human Cells
ProteinLength	279-390 a.a.
Description	Transforming growth factor beta 1 (TGFβ1) is the prototype of a growing superfamily of peptide growth factors and plays a prominent role in a variety of cellular processes, including cell-cycle progression, cell differentiation, reproductive function, development, motility, adhesion, neuronal growth, bone morphogenesis, wound healing, and immune surveillance. TGF-β1, TGF-β2 and TGF-β3 signal via the same heteromeric receptor complex, consisting of a ligand binding TGF-β receptor type II (TβR-II), and a TGF-β receptor type I (TβR-I). Signal transduction from the receptor to the nucleus is mediated via SMADs. TGF-β expression is found in cartilage, bone, teeth, muscle, heart, blood vessels, haematopoietic cells, lung, kidney, gut, liver, eye, ear, skin, and the nervous system.
Form	Lyophilized from a 0.2 um filtered solution of 50mM Glycine, 150mM NaCl, pH 2.5.
AA Sequence	Ala279-Ser390

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Endotoxin	Less than 0.1 ng/ug (1 EU/ug).
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Shipping	Ambient
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GENE INFORMATION

Gene Name	TGFB1 transforming growth factor beta 1 [Homo sapiens (human)]
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Official Symbol	TGFB1
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Synonyms	TGF-beta-1; CED; DPD1; TGFB; TGF-b1; TGFB1; CEDLAP; latency-associated peptide; TGFbeta; TGF-beta 1 protein; transforming growth factor beta-1; LAP; IBDIMDE; TGFbeta; TGF-beta1
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Gene ID	7040
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mRNA Refseq	NM_000660.7
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Protein Refseq	NP_000651.3
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MIM	190180
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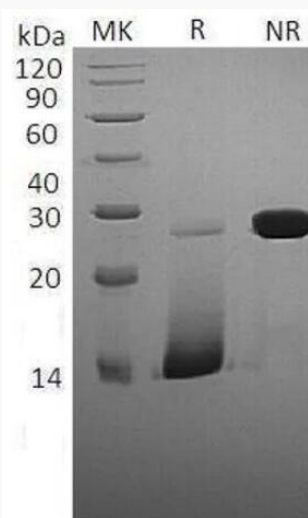
UniProt ID	P04202
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