

## Recombinant Mouse TGFB2 Protein

Cat. No. TGFB2-127M Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Mouse Transforming Growth Factor beta 2 is produced by our Mammalian expression system and the target gene encoding Ala303-Ser414 is expressed.

**Species** Mouse

**Source** Human Cells

**ProteinLength** 303-414 a.a.

**Description** Transforming growth factor beta 2 (TGF- $\beta$ 2) is a member of TGF-beta superfamily that shares a characteristic cysteine knot structure. Mice with TGF- $\beta$ 2 gene deletion show defects in development of cardiac, lung, craniofacial, limb, spinal column, eye, inner ear and urogenital systems. All TGF- $\beta$  isoforms signal via the same heteromeric receptor complex, consisting of a ligand binding TGF- $\beta$  receptor type II (T $\beta$ R-II), and a TGF- $\beta$  receptor type I (T $\beta$ R-I). Signal transduction from the receptor to the nucleus is mediated via SMADs. TGF- $\beta$  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  $\mu$ m filtered solution of 4 mM HCl.

**AA Sequence** Ala303-Ser414

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

<b>Gene Name</b>	Tgfb2 transforming growth factor, beta 2 [ <i>Mus musculus</i> (house mouse) ]
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<b>Official Symbol</b>	TGFB2
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<b>Synonyms</b>	BSC-1 cell growth inhibitor; Cetermin; Glioblastoma-derived T-cell suppressor factor; G-TSF, MGC116892; Polyergin; TGF-beta2; TGF-beta-2; transforming growth factor beta-2
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<b>Gene ID</b>	21808
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<b>mRNA Refseq</b>	NM_009367.4
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<b>Protein Refseq</b>	NP_033393.2
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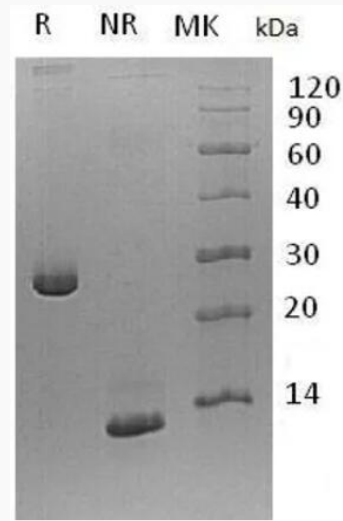
<b>UniProt ID</b>	P27090
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