

## Active Recombinant Rat Tgfb3 protein, His-tagged

Cat. No. TGFB3-6038R Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Tgfb3(Ala301~Ser412) fused with His tag at N-terminal was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ala301~Ser412
<b>Description</b>	Tgfb3 played an important role in many functions.
<b>Bio-activity</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Molecular Mass</b>	14.3kDa
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	> 90%
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

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**Storage** Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Reconstitution** Reconstitute in PBS or others.

## GENE INFORMATION

**Gene Name** [Tgfb3 transforming growth factor, beta 3 \[ Rattus norvegicus \]](#)

**Official Symbol** [Tgfb3](#)

**Synonyms** TGFB3; transforming growth factor, beta 3; transforming growth factor beta-3; TGF-beta-3; MGC105479;

**Gene ID** [25717](#)

**mRNA Refseq** [NM\\_013174](#)

**Protein Refseq** [NP\\_037306](#)

**MIM**

**UniProt ID** [Q07258](#)

**Chromosome Location** 6q31

**Pathway** Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Chronic myeloid leukemia, organism-specific biosystem;

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**Function**

growth factor activity; identical protein binding; identical protein binding; protein heterodimerization activity; transforming growth factor beta binding; transforming growth factor beta binding; transforming growth factor beta receptor binding; type I transforming growth factor beta receptor binding; type I transforming growth factor beta receptor binding; type II transforming growth factor beta receptor binding; type II transforming growth factor beta receptor binding;

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