

## PRODUCT INFORMATION

**TGF beta 1 (Transforming growth factor beta 1), Mouse**

<b>Catalog number</b>	C02060-5UG / C02060-20UG / C02060-100UG
<b>Package</b>	5 µg / 20 µg / 100 µg
<b>Description</b>	Transforming growth factor beta 1 or TGF-β1 is a polypeptide member of the transforming growth factor beta superfamily of cytokines. It is a secreted protein that performs many cellular functions, including the control of cell growth, cell proliferation, cell differentiation, and apoptosis. In humans, TGF-β1 is encoded by the TGFB1 gene.
<b>Source</b>	<i>Escherichia coli</i>
<b>Sequence</b>	MALDTNYCFSSTEKNCCVRQLYIDFRKDLGWKWIHEPKGYHANFCLGPCPYIW SLDTQYSKVLALYNQHNP GASASPCCVPALEPLIVYYVGRKPKVEQLSNMIV RSCKCS with polyhistidine tag at the C-terminus
<b>Endotoxin level</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Activity</b>	Measure by its ability to inhibit the IL-4 dependent proliferation in HT-2 cells. The ED <sub>50</sub> for this effect is <0.1 ng/mL.
<b>Purity</b>	>98% as determined by SDS-PAGE analysis. Purified by Ni-NTA chromatography
<b>Formulation</b>	The protein was lyophilized from a solution containing 20 mM sodium citrate, 0.2 M NaCl, pH 3.5.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved. In some experiments, it recommends to add 10 mM HCl when reconstitute lyophilized protein.
<b>Storage</b>	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
<b>Note</b>	Please use within one month after protein reconstitution.

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kDa

75-

63-

48-

35-

25-

17-



SDS-PAGE analysis of recombinant mouse TGF beta 1

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