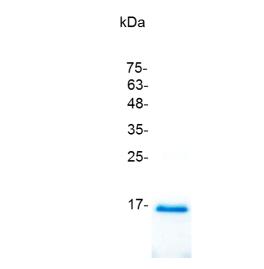
## PRODUCT INFORMATION

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

Catalog number	C02060-5UG / C02060-20UG / C02060-100UG
Package	5 µg / 20 µg / 100 µg
Description	Transforming growth factor beta 1 or TGF- $\beta$ 1 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- $\beta$ 1 is encoded by the TGFB1 gene.
Source	Escherichia coli
Sequence	MALDTNYCFSSTEKNCCVRQLYIDFRKDLGWKWIHEPKGYHANFCLGPCPYIW SLDTQYSKVLALYNQHNPGASASPCCVPQALEPLPIVYYVGRKPKVEQLSNMIV RSCKCS with polyhistidine tag at the C-terminus
Endotoxin level	<0.1 EU per 1 $\mu$ g of the protein by the LAL method.
Activity	Measure by its ability to inhibit the IL-4 dependent proliferation in HT-2 cells. The $ED_{50}$ for this effect is <0.1 ng/mL.
Purity	>98% as determined by SDS-PAGE analysis. Purified by Ni-NTA chromatography
Formulation	The protein was lyophilized from a solution containing 20 mM sodium citrate, 0.2 M NaCl, pH 3.5.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile $H_2O$ 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.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Note	Please use within one month after protein reconstitution.





SDS-PAGE analysis of recombinant mouse TGF beta 1

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