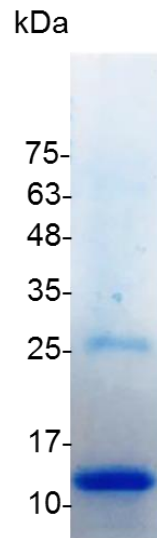


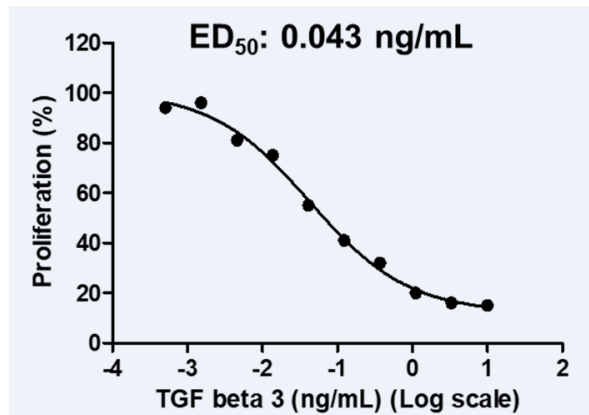
TGF beta 3 (Transforming growth factor beta 3), Human

v. 231201

Catalog number	C01090-5UG / C01090-20UG / C01090-100UG
Package	5 µg / 20 µg / 100 µg
Description	<p>Transforming growth factor-beta 3 (TGF-β3), also named TGFB3, is a member of the TGF beta family of growth factors together with TGF-β1 and -2. TGFB3 is produced as a complex with LAP. This latent form of TGFB3 can be stimulated upon cleavage by plasmin, matrix metalloproteases, thrombospondin -1, and a subset of integrins. It binds with high affinity to TGF- β RII, a type II serine/threonine kinase receptor. TGFB3 take part in the process such as cell differentiation, embryogenesis and development. In addition, it is found to regulate molecular elements involved in cellular adhesion and extracellular matrix (ECM) formation during the process of palate development.</p>
Source	<i>Escherichia coli</i>
Sequence	<p>MALDTNYCFRNLEENCCVRPLYIDFRQDLGWKWWHEPKGYANFCSGPCPYL RSADTTHTSTVLGLYNTLNPEASASPCCVPQDLEPLTILYYVGRTPKVEQLSNMV VKSCKCS with polyhistidine tag at the C-terminus</p>
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	<p>Measure by its ability to inhibit IL-4-induce proliferation in HT-2 cells. The ED₅₀ for this effect is <50 pg/mL. The specific activity of recombinant human TGF beta 3 is > 2 x 10⁷ IU/mg.</p>
Purity	>98% as determined by SDS-PAGE.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution containing 20 mM sodium citrate and 0.2 M NaCl, pH 3.5.
Reconstitution	<p>It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 200 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.</p>
Stability & Storage	<p>This product is stable after storage at:</p> <ul style="list-style-type: none"> -20°C for 12 months in lyophilized state from date of receipt. -20°C or -80°C for 1 month under sterile conditions after reconstitution. <p>Avoid repeated freeze/thaw cycles.</p>

**Data**

SDS-PAGE analysis of recombinant human TGF beta 3



Measure by its ability to inhibit IL-4-induced proliferation in HT-2 cells. The ED₅₀ for this effect is <50 pg/mL. The specific activity of recombinant human TGF beta 3 is > 2 x 10⁷ IU/mg.

For research use only.