

Product datasheet for **TP728287S**

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

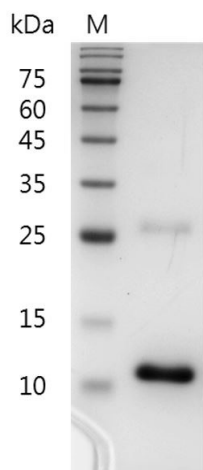
Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant TGF beta 3 (Transforming growth factor beta 3), Human
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MALDTNYCFRNLEENCCVRPLYIDFRQDLGWKWWHEPKGYYANFCSGPCPYLRSADTTHSTVLGLYNTLN PEASASPCCVPQDLEPLTILYYVGRTPKVEQLSNMVVKCKCS with polyhistidine tag at the C-terminus.
Tag:	His Tag (C-term)
Predicted MW:	The protein has a calculated MW of 13.66 kDa. The protein migrates as 13 kDa under reducing condition (SDS-PAGE analysis).
Purity:	>98% as determined by SDS-PAGE.
Buffer:	The protein was lyophilized from a 0.2 µm filtered solution containing 20 mM sodium citrate, 0.2 M NaCl, pH 4.5.
Bioactivity:	Measure by its ability to inhibit IL-4-induce proliferation in HT-2 cells. The ED ₅₀ for this effect is <50 pg/mL. The specific activity of recombinant human TGF beta 3 is > 2 x 10 ⁷ IU/mg.
Endotoxin:	<0.1 EU per 1 µg of the protein by the LAL method.
Reconstitution Method:	Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile 10 mM HCl to a concentration not less than 100 µg/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.
Applications:	Cell culture
Storage:	Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.
UniProt ID:	P10600
Synonyms:	ARVD, ARVD1, LDS5, RNHF, TGFB3, TGF-B3


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Summary:

Transforming Growth Factors-Beta 3 (TGF-beta 3) is belonging to the TGF- β superfamily TGF- β 3 is 86%, 91% similar to TGF- β 1 and TGF- β 2. TGF-beta 3 is a 12.8 kDa protein containing 412 amino acids, which could inhibitor of DNA synthesis, increases cellular proliferation, essential mediator of EMT in cardiac morphogenesis, and up-regulated by milk stasis and induces apoptosis in mammary gland epithelium during involution.

Product images:


SDS- PAGE analysis of recombinant human TGF beta 3