

TGFB1

Recombinant Human Transforming Growth Factor beta-1, GST tag

Catalog No.	CRT017A CRT017B CRT017C	Quantity:	2 µg 10 µg 100 µg
Alternate Names:	Transforming growth factor beta-1 proprotein, TGF-beta-1		
Description:	Transforming Growth Factor beta mediates many cell-cell interactions that occur during embryonic development. Three TGF betas have been identified in mammals. TGF beta 1 (TGFB1), TGF beta 2 (TGFB2) and TGF beta 3 (TGFB3) are each synthesized as precursor proproteins that are very similar in that each is cleaved to yield a 112 amino acid polypeptide that remains associated with the latent portion of the molecule.		
Concentration:	500 µg/ml		
UniProt ID:	P01137		
Source:	<i>E. coli</i>		
Molecular Weight:	35 kDa (TGFB1 aa 309-390 + GST Tag)		
Formulation:	Sterile-filtered 50 mM Tris-HCl, pH 7.5 containing 10 mM L-glutathione (reduced).		
Purity:	>80.0% by SDS-PAGE.		
Amino Acid Sequence:	KWIHEPKGYH ANFCLGPCPY IWSLDTQYSK VLALYNQHNH GASAAPCCVP QALEPLPIVY YVGRKPKVEQ LSNMIVRSCK CS (aa 309-390 not including GST tag)		
Storage & Stability:	Stable at 2-8°C if the entire vial will be used in 1-2 week. For long term storage, aliquot and store at -20°C to -80°C with a carrier protein such as 0.1% HSA or BSA as a stabilizer. This depends upon the particular application employed. Avoid repeated freeze-thaw cycles.		

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