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TGFB3 Mouse

Transforming Growth Factor-Beta 3 Mouse Recombinant
GRF0398

Product Overview

Name	TGFB3 Mouse
Description	
Transforming Growth Factor-Beta 3 Mouse Recombinant	
Accession (Primary)	Q99K17
Synonyms	
Transforming Growth Factor-beta3, TGFB3, ARVD, FLJ16571, TGF-beta3.	
Introduction	
Transforming growth factor betas (TGF Betas) mediate many cell-cell interactions that occur during embryonic development. Three TGF Betas have been identified in mammals. TGF Beta 1, TGF Beta 2 and TGF Beta 3 are each synthesized as precursor proteins 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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
The Mouse TGFB3 protein solution contains 20% Ethanol and 10mM Acetic acid.	
Stability	
Mouse TGF-beta 3 although stable at room temperature for 3 weeks, should be stored at 4°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MALDTNYCFRN LEENCCVRPL YIDFRQDLGW KWVHEPKGYY ANFCSGPCPY LRSADTTHST VLGLYNTLNP EASASPCCVP QDLEPLTILY YVGRTPKVEQ LSNMVVKSCK CS.	
Biological Activity	
The activity is determined by the ability to induce chondrogenic differentiation.	
Protein content	

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Protein quantitation was carried out by two independent methods: 1. UV spectroscopy at 280 nm using the absorbency value of 1.718 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics). 2. Analysis by RP-HPLC, using a calibrated solution of TGF-b 3 as a Reference Standard.

Precautions

TGFB3 Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q99K17)