

**RPPB0981**

## Product Information

### Physical Appearance

Sterile Filtered clear solution

### Source:

Escherichia Coli

## Antibody Information

### Synonyms:

Transforming Growth Factor-beta3, TGFB3, ARVD, FL16571, TGF-beta3.

### Description:

TGF- $\beta$  3 Mouse Recombinant produced in E.Coli is a disulfide-linked homodimeric, non-glycosylated, polypeptide chain containing two 113 amino acid chains and having a total molecular mass of 25.7kDa. The TGF- $\beta$  3 is purified by standard chromatographic techniques.

### Formulation:

The Mouse TGFB3 protein solution contains (0.25mg/ml) contains 20% Ethanol and 10mM Acetic acid.

### Stability:

Mouse TGF-beta 3, although stable at room temperature for 1 week, should be stored at 4°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

### Amino acid sequence:

MALDTNYCFRN LEENCCVRPL YIDFRQDLGW KWWHEPKGY ANFCSGPCPY LRSADTTHTST  
VLGLYNTLNP EASAPCCVP QDLEPLTILY YVGRTPKVEQ LSNMVVKSCS CS.

### Biological Activity:

The activity is determined by the ability to induce chondrogenic differentiation.

### Purity:

Greater than 95% as determined by SDS-PAGE.

### Protein Content:

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.