

# NEUROMICS



## Recombinant Human TGFB2

## Datasheet

**Catalog Number:** PR27165

**Product Type:** Recombinant Protein

**Source:** *Nicotiana benthamiana*

**Amino Acid Sequence:** HHHHHHALDAA YCFRNVQDNCCLRPLYIDFKRDLGWKWIH  
EPKGYNANFCAGACPYLWSSDTQHSRVLSLYNTINPEASAS  
PCCVSQDLEPLTI LYYIGKTPKIEQLSNMIVKSKCS.

**Description/Molecular Mass:** TGFB2 Human Recombinant produced in plants is a homodimeric polypeptide chain containing 2 x 118 amino acids and having a total molecular mass of 27.08kDa. The TGFB2 is fused to 6xHis Tag at N-terminus and purified by proprietary chromatographic techniques.

**Purity:** Greater than 97.0% as determined by SDS-PAGE.

**Biological Activity:** The biological activity of TGFB2 is measured in culture by its ability to inhibit the mink lung epithelial (Mv1Lu) cells proliferation.  $ED_{50} < 40\text{ng/ml}$ , corresponding to a specific activity of 25,000 units/mg.

**Format:** Lyophilized from a concentrated (1mg/ml) solution containing 50mM Tris-HCl pH-7.4.

**Reconstitution:** It is recommended to reconstitute the lyophilized TGFB2 in sterile 18M $\Omega$ -cm H<sub>2</sub>O not less than 1 $\mu$ g/40 $\mu$ l, which can then be further diluted to other aqueous solutions.

**Storage:** Lyophilized TGFB2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TGFB2 Human should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).  
**Please prevent freeze-thaw cycles.**

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