

TDGF1

Description:TDGF1 Human Recombinant produced in HEK-293 cells is a single, glycosylated, polypeptide chain containing 139 amino acids with a molecular weight of 17.8 kDa though on SDS-PAGE migrates at about 25kDa due to the glycosylation. The TDGF1 is purified by proprietary chromatographic techniques.

Catalog #:CYPS-719

For research use only.

Synonyms:CRIPTO1, CRIPTO-1, CRGF, Teratocarcinoma-Derived Growth Factor 1, TDGF1, CR.

Source:HEK293-F Cells.

Physical Appearance:Sterile Filtered White lyophilized (freeze-dried) powder.

Amino Acid Sequence:LGHQEFARPS RGYLAFRDDS IWPQEEPAIR PRSSQRVPPM
GIQHSKELNR TCCLNGGTCM LGSFCACPPS FYGRNCEHDV RKENCGSVPH DTWLPPKKCSL
CKCWHGQLRC FPQAFLPGCD GLVMDEHLVA SRTPELPPS.

Purity:Greater than 95.0% as determined by SDS-PAGE.

Formulation:

The TDGF1 protein was lyophilized from a 0.2

Stability:

Lyophilized TDGF1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TDGF1 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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:

It is recommended to reconstitute the lyophilized TDGF1 in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Introduction:

TDGF1 is an extracellular, membrane-bound signaling protein that is involved in embryonic development and tumor growth. Mutations in TDGF1 are associated with forebrain defects. TDGF1 takes part in the determination of the epiblastic cells that later provide growth to the mesoderm.

Biological Activity:

In a functional ELISA, immobilized recombinant human Activin RIB/Fc chimera receptor (0.2

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