

For Research Use Only

Recombinant Human TDGF1 protein (mFc Tag)



Catalog Number: Eg3922

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
mFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/μg protein, LAL method

Source:
HEK293-derived Human TDGF1 protein Leu31-Thr172 (Accession# P13385) with a mouse IgG Fc tag at the C-terminus.

GeneID:
6997

Accession:
P13385

Predicted Molecular Mass:
42.6 kDa

SDS-PAGE:
45-57 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Transforming Growth Factor-beta 1 (TGF-β1) is a multifunctional protein that plays a crucial role in various biological processes. It is a member of the TGF-β superfamily, which includes TGF-β1, TGF-β2, and TGF-β3. These proteins are structurally related and have diverse functions in cell biology. TGF-β1 is particularly important in regulating cell proliferation, differentiation, apoptosis, and immune responses. It is also involved in the development of various diseases, including cancer, fibrosis, and autoimmune disorders.

References

1. Miyoshi N, et al. (2010) *Int J Oncol.* 36(3):563-8.
2. Barnes RM, et al. (2016) *Development.* 143(5):774-9.
3. Liguori G, et al. (1997) *Mamm Genome.* 8(7):502-5.
4. Behrens AN, et al. (2012) *J Clin Exp Cardiol.* 11:1-4.

Synonyms

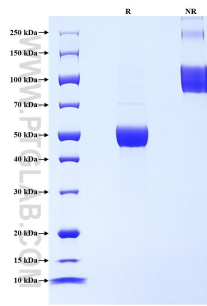
CR, CRGF, CRIPTO, Cripto 1, Cripto 1 growth factor

For technical support and original validation data for this product please contact

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Selected Validation Data



Purity of Recombinant Human TDGF1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.