

For Research Use Only

Recombinant Human TGFBI/BIGH3 protein (His Tag)



Catalog Number: Eg1233

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
His Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Human TGFBI protein Gly24-His683 (Accession# Q15582) with a His tag at the C-terminus.

GeneID:
7045

Accession:
Q15582

Predicted Molecular Mass:
73.2 kDa

SDS-PAGE:
60-75 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ m 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

TGFBI, also named as BIGH3, Kerato-epithelin and RGD-CAP, binds to type I, II, and IV collagens. TGFBI is an adhesion protein which may play an important role in cell-collagen interactions. In cartilage, it may be involved in endochondral bone formation. TGFBI is an extracellular matrix adaptor protein, it has been reported to be differentially expressed in transformed tissues. TGFBI is a predictive factor of the response to chemotherapy, and suggest the use of TGFBI-derived peptides as possible therapeutic adjuvants for the enhancement of responses to chemotherapy.

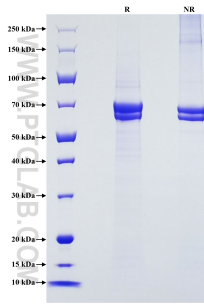
References

- 1.J Skonier, et al. (1992) DNA Cell Biol. 11(7):511-22.
- 2.J Skonier, et al. (1994) DNA Cell Biol. 13(6):571-84.
- 3.Narendra Thapa, et al. (2007) Int J Biochem Cell Biol. 39(12):2183-94.
- 4.Marta Irigoyen, et al. (2010) Mol Cancer. 28:9:130.
- 5.Miranda P Ween, et al. (2012) Int J Mol Sci. 13(8):10461-10477.

Synonyms

TGFBI, TGFBI / BIGH3, Beta ig h3, Beta ig-h3, BIGH3

Selected Validation Data



Purity of Recombinant Human TGFBI 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.

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

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