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TGFBR3 Protein (His tag)



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| Quantity: | 100 μg |
|-------------------------------|---|
| Target: | TGFBR3 |
| Origin: | Human |
| Source: | Baculovirus infected Insect Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This TGFBR3 protein is labelled with His tag. |

Product Details

| Purpose: | Recombinant Human TGFBR3/Betaglycan Protein (His Tag) | |
|------------------|---|--|
| Sequence: | Met 1-Gly781 | |
| Characteristics: | A DNA sequence encoding the human TGFBR3 (Q03167-1) (Met 1-Gly781) was expressed with a C-terminal polyhistidine tag. | |
| Purity: | > 95 % as determined by reducing SDS-PAGE. | |
| Endotoxin Level: | < 1.0 EU per µg as determined by the LAL method. | |

Target Details

| Target: | TGFBR3 |
|-------------------|---|
| Alternative Name: | TGFBR3 (TGFBR3 Products) |
| Background: | Background: Betaglycan also known as transforming growth factor beta receptor III (TGFBR3), |
| | is a cell-surface chondroitin sulfate / heparan sulfate proteoglycan. TGFBR3 is a transforming |
| | growth factor (TGF)-beta type III receptor. This receptor is a membrane proteoglycan that often |

functions as a co-receptor with other TGF-beta receptor superfamily members. Ectodomain shedding produces soluble TGFBR3, which may inhibit TGFB signaling. Decreased expression of this receptor has been observed in various cancers. TGFBR3 is the TGF- β component most commonly downregulated among localized human prostate cancer studies. TGFBR3 knockdown led to focus formation and enhanced expression of CD133, a marker found on prostate cancer stem cells. TGFBR3 is an accessory receptor that binds to and modulates the activities of both transforming growth factor-beta (TGF β) and inhibin, two members of the TGF β superfamily of growth factors that regulate many aspects of reproductive biology. TGFBR3 is known to be expressed in adult testis and ovary, but little is known about this receptor during gonadogenesis.

Synonym: betaglycan;BGCAN

Molecular Weight:

87.8 kDa

Application Details

| Comment: | 88 kDa |
|---------------|-----------------------|
| Restrictions: | For Research Use only |

Handling

| Format: | Lyophilized | |
|------------------|---|--|
| Reconstitution: | Please refer to the printed manual for detailed information. | |
| Buffer: | Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 7.4 | |
| Storage: | 4 °C,-20 °C,-80 °C | |
| Storage Comment: | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. | |
| | Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted | |
| | samples are stable at < -20°C for 3 months. | |