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32-20414: Recombinant Human TSG(Discontinued)

Reactivity : Human, Mouse
Alternative Name : Twisted Gastrulation Protein

Description

Source:E.coli Twisted Gastrulation Protein (TSG) is a secreted BMP-binding protein that is structurally related to the BMP antagonists Chordin and Noggin. TSG can inhibit BMP activity by binding directly to BMP proteins, and can act either as a BMP-4 agonist or antagonist (depending on the specific biochemical environment) by binding to the BMP-4/Chordin complex. Recombinant Human TSG is a 198 amino acid, 22.2 kDa protein containing the BMP/TGF-Beta binding portion of the full length TSG protein.

Product Info

Amount : 10 µg / 50 µg
Purification : Purity:>= 98% by SDS-PAGE gel and HPLC analyses.
Content : This recombinant protein is supplied in lyophilized form.
Amino Acid : CNKALCASDV SKCLIQELCQ CRPGEGNCSC CKECMLCLGA LWDECCDCVG MCNPRNYSDT PPTSKSTVEE LHEPIPSLFR ALTEGDTQLN WNIVSFPVAE ELSHHENLVS FLETVNQPHH QNVSVPSNNV HAPYSSDKEH MCTVVYFDDC MSIHQCKISC ESMGASKYRW FHNACCECIG PECIDYGSKT VKCMNCMF

Application Note

Determined by its ability to neutralize BMP-6-induced alkaline phosphatase production by ATDC chondrogenic cells. The expectedÃ□Â $ED_{50}$for this effect isÃ□Â <= 2.0 Ã□Âµg/ml of TSG.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.