

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 VKCMNCFM

Application Note

Determined by its ability to neutralize BMP-6-induced alkaline phosphatase production by ATDC chondrogenic cells. The expected ED_{50} for this effect is ≤ 2.0 µg/ml of TSG.