

Datasheet for ABIN935873 **TWSG1 Protein**



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Overview

Quantity:	50 µg
Target:	TWSG1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence: MCNKALCASD VSKCLIQELC QCRPGEGNCS CCKECLMLCLG ALWDECCDCV GMCNPRNYSD
TPPTSKSTVE ELHEPIPSLF RALTEGDTQL NWNIVSFPVA EELSHHENLV SFLETVNQPH
HQNVSVPSNN VHAPYSSDKE HMCTVVYFDD CMSIQCKIS CESMGASKYR WFHNACCECI
GPECIDYGSK TVKCMNCMF

Characteristics: Purified recombinant Human TSG protein
Expression System: E.coli
Bioactivity: Determined by its ability to neutralize BMP-6 induced alkaline phosphatase production by ATDC chondrogenic cells. The expected ED50 for this effect is

Purity: > 98 % pure

Endotoxin Level: < 0.1 ng per µg (1 EU/µg).

Target Details

Target: TWSG1

Target Details

Alternative Name:	TSG (TWSG1 Products)
Background:	<p>Twisted Gastrulation Protein (TSG) is a secreted BMP binding protein 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 BMP4 agonist or antagonist (depending on the specific biochemical environment) by binding to the BMP4/Chordin complex.</p> <p>Alternative Names: Twisted Gastrulation Protein protein</p>
Molecular Weight:	22.2 kDa

Application Details

Application Notes:	Each Investigator should determine their own optimal working dilution for specific applications.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Supplied as a lyophilized powder.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C until reconstitution. Following reconstitution aliquot and freeze at -20 °C for long term storage.