

Human TSG Recombinant Protein



RPPB1043

Product Information Protein Information

Product SKU:

RPPB1043

Accession:

Q9GZX9

Host:

CHO.

Protein description:

TWSG1 Human Recombinant (26-223) produced in CHO is a single, glycosylated, polypeptide chain containing 198 amino acids and having a molecular mass ranging from 35-43kDa on SDS-PAGE due to glycosylation. The TWSG1 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Twisted Gastrulation BMP Signaling Modulator 1, TSG, Twisted Gastrulation Homolog 1 (Drosophila), Twisted Gastrulation Protein Homolog 1, Twisted Gastrulation Homolog 1, TWSG1.

Formulation:

Lyophilized from a 0.2µm filtered solution in PBS.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized TSG in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized TSG although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TSG should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

CNKALCASDV SKCLIQLCQ CRPGEINCSC CKECMLCLGA LWDECCDCVG MCNPRNYSMT PPTSKSTVEE
LHEPIPSLFR ALTEGDTQLN WNIVSFPVAE ELSHHENLVS FLETVNQPHH QNVSVPNNV HAPYSSDKEH
MCTVVYFDDC MSIHQCKISC ESMGASKYRW FHNACCECIG PECIDYGSKT VKCMN CMF.

Biological Activity:

The ED₅₀, as measured by its ability to inhibit alkaline phosphatase production induced by rHuBMP-6 in mouse ATDC5 cells, is less than 16µg/ml.