

Active Recombinant Human TWSG1

Cat. No. TWSG1-729H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TWSG1 (Accession # NP_065699) Met1-Phe223, fused with , was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Human
Source	CHO
ProteinLength	Met1-Phe223
Predicted N Terminal	Cys26
Form	Lyophilized from a 0.2 μ filtered solution in PBS.
Bio-activity	Measured by its ability to inhibit BMP-6-induced alkaline phosphatase production by ATDC5 mouse chondrogenic cells. The ED50 for this effect is typically 4 - 16 μg/mL in the presence of 100 ng/mL of Recombinant Human BMP-6.
Molecular Mass	Recombinant Human TWSG1 has a calculated MW of 22.1 kDa. In SDS-PAGE migrates as 35-43 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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GENE INFORMATION

Gene Name	TWSG1 twisted gastrulation homolog 1 (Drosophila) [Homo sapiens]
Official Symbol	TWSG1
Synonyms	TWSG1; twisted gastrulation homolog 1 (Drosophila); twisted gastrulation protein homolog 1; TSG;
Gene ID	57045
mRNA Refseq	NM_020648
Protein Refseq	NP_065699
MIM	605049
UniProt ID	Q9GZX9
Chromosome Location	18p11.3

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