

Active Recombinant Mouse Twsg1, His-tagged

Cat. No. Twsg1-514M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Twsg1 (Accession # CAC05586) Cys25-Phe222, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Mouse
Source	Mammalian Cells
ProteinLength	25-222 a.a.
Predicted N Terminal	Cys25
Form	Lyophilized from a 0.2 µ filtered solution in PBS with BSA as a carrier protein.
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 1 - 4 µg/mL in the presence of 150 ng/mL of Recombinant Human BMP-6.
Molecular Mass	Recombinant Mouse Twsg1, His-tagged has a calculated MW of 23.5 kDa. In SDS-PAGE migrates as 25-35 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).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Reconstitution

Reconstitute at 100 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name	Twsg1 twisted gastrulation homolog 1 (Drosophila) [Mus musculus]
Official Symbol	Twsg1
Synonyms	TWSG1; twisted gastrulation homolog 1 (Drosophila); twisted gastrulation protein homolog 1; Tsg; Twg; AW552143; D17Ert403e; 1810013J15Rik; 9030422N06Rik;
Gene ID	65960
mRNA Refseq	NM_023053
Protein Refseq	NP_075540
MIM	

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