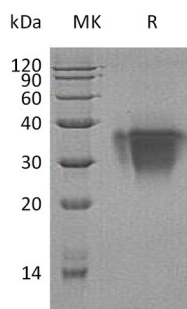


概述 (Summary)

英文全称	TWSG1/TSG
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	<1 EU/μg as determined by LAL test.
蛋白构建 (Construction)	Recombinant Human Twisted Gastrulation Protein Homolog 1 is produced by our Mammalian expression system and the target gene encoding Cys26-Phe223 is expressed with a 6His tag at the C-terminus.
Accession #	Q9GZX9
蛋白标签 (Tag)	
表达宿主 (Host)	Human Cells
种属 (Species)	Human
预测分子量 (Predicted MW)	23.18 KDa
蛋白形态 (Form)	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
储存缓冲液 (Buffer)	
运输方式 (Shipping)	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存 (Stability &Storage)	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
复溶 (Reconstitution)	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

电泳图 (SDS-PAGE image)

Product Name: Recombinant Human TWSG1 (C-6His)
Catalog #: PHH1749



背景 (Background)

分子别名 (Alternative Names)

Twisted Gastrulation Protein Homolog 1; TWSG1; TSG

背景介绍 (References)

Twisted Gastrulation Protein Homolog 1 (TWSG1) is a 22 kDa secreted protein that belongs to the twisted gastrulation protein family. Human TWSG1 is synthesized as a 223 aa precursor that contains a 25 aa signal peptide and a 198 aa mature chain. TWSG1 may be involved in dorsoventral axis formation. TWSG1 seems to antagonize BMP signaling by forming ternary complexes with CHRD and BMPs, thereby preventing BMPs from binding to their receptors. TWSG1 can inhibit BMP activity by binding directly to BMP proteins, and can act the anti-BMP function, partly mediated by cleavage and degradation of CHRD, which releases BMPs from ternary complexes. TWSG1 may be an important modulator of BMP-regulated cartilage development, chondrocyte differentiation and thymocyte development.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.