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TAGLN, 1-201aa, Human, His tag, E.coli

产品货号: TP04138

第三版

别名: SM22, SMCC, TAGLN1, WS3-10, Transgelin, SM 22, SM22 alpha, SMCC, Smooth muscle protein 22-alpha, WS3 10

描述: TAGLN is a transformation and shape-change sensitive actin cross-linking/gelling protein that belongs to the calponin family. This protein is expressed abundantly in fibroblasts and smooth muscle. It is involved in calcium interactions and contractile properties of the cell that may contribute to replicative senescence. During embryogenesis, TAGLN is expressed in smooth, cardiac and skeletal muscle, but is restricted during late fetal development and adulthood to all vascular and visceral smooth muscle cells and low levels of expression in heart. It is downregulated in several transformed cell lines, indicating that a reduction of TAGLN expression may be an early indicator of the onset of transformation. Recombinant human TAGLN protein, fused to his-tag at N-terminus was expressed in E.coli and purified by using conventional chromatography techniques

配方: Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 20% glycerol 1mM DTT

分子量: 24.8 kDa (221aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMANKGPSYGMSREVQSKIEKKYDEELEERLVEWIIVQC GPDVGRPDRGRLGFQVWLKN
GVILSKLVNSLYPDGSKPVKVPENPPSMVFKQMEQVAQFLKAAEDYGVIKTDMFQTVDLFEGKDMAAVQRTLALGSLA
VTKNDGHYRGDPNWFMKKAQEHLKREFTESQLQEGKHVIGLQMGSNREGASQAGMTGYGRPRQIIS

纯度: > 95% by HPLC

浓度: 1 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在-20 ° C 或者-70 ° C. 避免反复冻融.