Recombinant Human TAGLN2, His-tagged

Cat. No. TAGLN2-3447H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TAGLN2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
Description	TAGLN2, also known transgelin 2, is one of the earliest markers of differentiated smooth muscle. This protein contains a calponin like repeat and a calponin-homology (CH) domain. It is downregulated in several transformed cell lines, indicating that a reduction of transgelin expression may be an early indicator of the onset of transformation. It also binds actin, causing actin fibers to gel within minutes of binding. Binding of transgelin to actin occurs at a ratio of 1:6 actin monomers.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT
Molecular Weight	23.4 kDa (208aa), confirmed by MALDI-TOF
Purity	> 90% by SDS - PAGE
Concentration	1.0 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MEVQQKIEKQ YDADLEQILI QWITTQCRKD VGRPQPGREN FQNWLKDGTV LCELINALYP EGQAPVKKIQ ASTMAFKQME QISQFLQAAE RYGINTTDIF QTVDLWEGKN MACVQRTLMN LGGLAVARDD

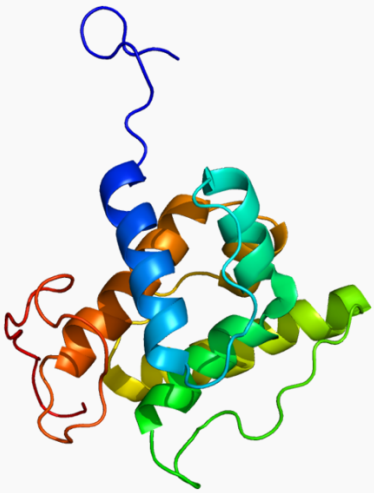
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	GLFSGDPNWF PKKSKENPRN FSDNQLQEGK NVIGLQMGTN RGASQAGMTG YGMPRQIL
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	TAGLN2 transgelin 2 [Homo sapiens]
Synonyms	TAGLN2; HA1756; KIAA0120; SM22-alpha homolog; OTTHUMP00000024408; OTTHUMP00000024410; transgelin-2
Gene ID	8407
mRNA Refseq	NM_003564
Protein Refseq	NP_003555
MIM	604634
UniProt ID	protein binding
Chromosome Location	1q21-q25
Function	protein binding

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PDBrendering based on 1wym.	

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