

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 MACVQRTL MN 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

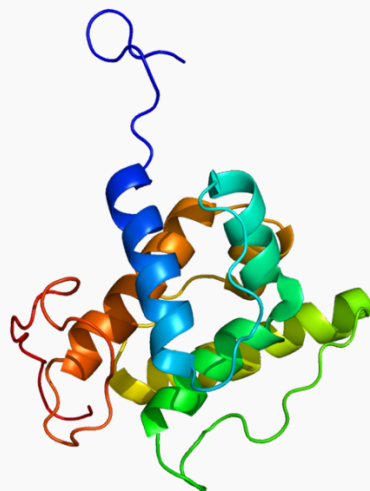
Function protein binding

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PDBrendering based
on 1wym.



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