

## TAGLN2 Human

**Description:** TAGLN2 Human Recombinant fused with a 21 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 208 amino acids (13-199 a.a.) and having a molecular mass of 23.4kDa. The TAGLN2 is purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-131

For research use only.

**Synonyms:** Transgelin-2, SM22-alpha homolog, TAGLN2, KIAA0120, HA1756.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MEVQQKIEKQ YDADLEQILI  
QWTTQCRKD VGRPQPGREN FQNWLKDGTV LCELINALYP EGQAPVKKIQ ASTMAFKQME  
QISQFLQAAE RYGINTTDIF QTVDLWEGKN MACVQRTLMM LGGLAVARDD GLFSGDPNWF  
PKKSKENPRN FSDNQLQEGK NVIGLQMGTN RGASQAGMTG YGMPRQIL.

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

### Formulation:

The TAGLN2 solution (1 mg/ml), 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.

### Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

Transgelin 2 (TAGLN2) is one of the earliest markers of differentiated smooth muscle. TAGLN2 contains a calponin like repeat and a calponin-homology (CH) domain. TAGLN2 is downregulated in some transformed cell lines, indicating that a reduction of transgelin expression may be an early indicator of the onset of transformation. TAGLN2 also binds actin, causing actin fibers to gel within minutes of binding. The binding of transgelin to actin occurs at a ratio of 1:6 actin monomers.

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