

Product datasheet for AR09539PU-L

Transgelin (TAGLN) (1-201, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins Description: Transgelin (TAGLN) (1-201, His-tag) human recombinant protein, 0.5 mg Species: Human **Expression Host:** E. coli MGSSHHHHHH SSGLVPRGSH MANKGPSYGM SREVQSKIEK KYDEELEERL VEWIIVQCGP Expression cDNA Clone or AA Sequence: DVGRPDRGRL GFQVWLKNGV ILSKLVNSLY PDGSKPVKVP ENPPSMVFKQ MEQVAQFLKA AEDYGVIKTD MFQTVDLFEG KDMAAVQRTL MALGSLAVTK NDGHYRGDPN WFMKKAQEHK REFTESQLQE GKHVIGLQMG SNRGASQAGM TGYGRPRQII S Tag: His-tag Predicted MW: 24.8 kDa **Concentration:** lot specific >85% by SDS - PAGE **Purity: Buffer:** Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 1 mM DTT **Preparation:** Liquid purified protein **Protein Description:** Recombinant human TAGLN protein, fused to his-tag at N-terminus was expressed in E.coli and purified by using conventional chromatography techniques. Storage: Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch. Stability: **RefSeq:** NP 001001522 6876 Locus ID: **UniProt ID:** Q01995, Q5U0D2 Cytogenetics: 11q23.3 Synonyms: SM22; SM22-alpha; SMCC; TAGLN1; WS3-10



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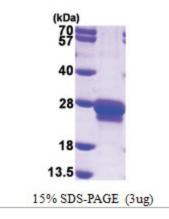
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Image: CRICENETransgelin (TAGLN) (1-201, His-tag) Human Protein - AR09539PU-LSummary:This gene encodes a shape change and transformation sensitive actin-binding protein which
belongs to the calponin family. It is ubiquitously expressed in vascular and visceral smooth
muscle, and is an early marker of smooth muscle differentiation. The encoded protein is
thought to be involved in calcium-independent smooth muscle contraction. It acts as a tumor
suppressor, and the loss of its expression is an early event in cell transformation and the
development of some tumors, coinciding with cellular plasticity. The encoded protein has a
domain architecture consisting of an N-terminal calponin homology (CH) domain and a C-
terminal calponin-like (CLIK) domain. Mice with a knockout of the orthologous gene are viable
and fertile but their vascular smooth muscle cells exhibit alterations in the distribution of the

actin filament and changes in cytoskeletal organization. [provided by RefSeq, Aug 2017]

Product images:



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