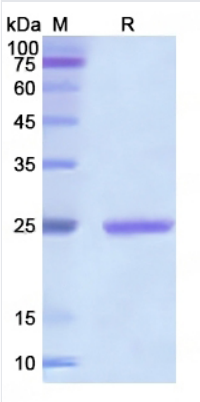
TAGLN Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	TAGLN, Recombinant Protein
Full Product Name	Recombinant Human TAGLN, N-His
Product Gene Name	TAGLN recombinant protein
Product Synonym Names	SM22-alpha; WS3-10; Smooth muscle protein 22-alpha; SM22; Transgelin; TAGLN; Protein WS3-10; 22 kDa actin-binding protein
Host	E coli
Form/Format	Lyophilized from a solution in PBS pH7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol.
Purity/Purification	>90% as determined by SDS-PAGE
Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 degree C for one week. Store at -20 to -80 degree C for twelve months from the date of receipt.
Molecular Weight	22,611 Da
Sequence Positions	Met1-Ser201
OMIM	600818
3D Structure	ModBase 3D Structure for Q01995
Species	Human
Reconstitution	Reconstitute in sterile water for a stock solution.
Product Categories/Family for TAGLN recombinant protein	Recombinant Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for TAGLN recombinant protein	SDS-PAGE (SDS), Western Blot (WB), ELISA (EIA), Immunogen
Related Product Information for TAGLN recombinant protein	MBS1574442 is a recombinant protein targeting TAGLN. Also known as Recombinant Human TAGLN, N-His. Host: E coli.
Other Notes	Small volumes of TAGLN recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of TAGLN recombinant protein
SDS PAGE for recombinant Human TAGLN

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TAGLN. It may not necessarily be applicable to this product.

NCBI GI #	48255907
NCBI GeneID	6876
NCBI Accession #	NP_001001522.1
UniProt Primary Accession #	Q01995
UniProt Secondary Accession #	O15542
UniProt Related Accession #	Q01995
GenBank Nucleotide #	NM_001001522.1
NCBI Official Full Name	transgelin
NCBI Official Synonym Full Names	transgelin
NCBI Official Symbol	TAGLN
NCBI Official Synonym Symbols	SM22; SMCC; TAGLN1; WS3-10
UniProt Protein Name	Transgelin
UniProt Synonym Protein Names	22 kDa actin-binding protein; Protein WS3-10; Smooth muscle protein 22-alpha
Protein Family	Transgelin
UniProt Gene Name	TAGLN
UniProt Synonym Gene Names	SM22; WS3-10; SM22-alpha
UniProt Entry Name	TAGL_HUMAN
NCBI Protein Information	transgelin; SM22-alpha; transgelin variant 2; 22 kDa actin-binding protein; smooth muscle protein 22-alpha
NCBI Summary for TAGLN	The protein encoded by this gene is a transformation and shape-change sensitive actin cross-linking/gelling protein found in fibroblasts and smooth muscle. Its expression is down-regulated in many cell lines, and this down-regulation may be an early and sensitive marker for the onset of transformation. A functional role of this protein is unclear. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

UniProt Comments for TAGLN	TAGLN: Actin cross-linking/gelling protein. Involved in calcium interactions and contractile properties of the cell that may contribute to replicative senescence. Belongs to the calponin family. Protein type: Nuclear receptor co-regulator; Motility/polarity/chemotaxis; Actin-binding Chromosomal Location of Human Ortholog: 11q23.2 Cellular Component: cytoplasm Molecular Function: actin filament binding; protein binding Biological Process: muscle development; epithelial cell differentiation
Research Articles on TAGLN	**1.** Downregulated proteins in gallbladder cancer included serine protease HTRA1 and transgelin, which have been reported to be downregulated in several other cancers.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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