

Product datasheet for **AR50059PU-N**

Transgelin-3 (TAGLN3) (1-199, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Transgelin-3 (TAGLN3) (1-199, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MANRGPSYGL SREVQEKIEQ KYDADLENKL VDWIILQCAE DIEHPPPGRA HFQKWLMDGT VLCKLINSLY PPGQEPIPKI SESKMAFKQM EQISQLKAA ETYGVRTTDI FQTVDLWEGK DMAAVQRTLM ALGSAVTKD DGCYRGEPSW FHRKAQQNRR GFSEEQLRQG QNVIGLQMG S NKGASQAGMT GYGMPRQIM
Tag:	His-tag
Predicted MW:	24.6 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
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 TAGLN3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001008273
Locus ID:	29114
UniProt ID:	Q9UI15
Cytogenetics:	3q13.2
Synonyms:	NP22; NP24; NP25



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Summary:

TAGLN3, also known as transgelin-3, contains a putative Actin-binding domain, two EF-hand motifs, two potential phosphorylation sites and a calponin-homology (CH) domain. It shares homology with transgelin and calponin, two cytoskeleton-interacting proteins. Belonging to the calponin family, TAGLN3 co-localizes with Actin and tubulin, suggesting a possible role for it in neuronal plasticity or as a signaling protein. Due to a varied expression pattern, it may play different roles in the developing and adult brain.

Product images: