

TAGLN3, 1-199aa, Human, His tag, E.coli

Cat.NO.: TP04140

3th Edition

Synonyms:Transgelin-3, NP22, NP25

Description: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. Recombinant human TAGLN3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 1mM DTT

Molecular Weight:24.6 kDa (219aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMANRGPSYGLSREVQEKIEQKYDADLENKLVDWILQCAEDIEHPPPGRAHFQKW
LMDGTVLCKLINSLYPPGQEQPIPKISESKMAFKQMEQISQFLKAAETYGVRTTDFQTVDLWEGKDMAAVQRTLMLAL
GSVAVTKDDGTCYRGEPSWFRKAQQNRRGFSEEQLRQGQNVIGLQMGSNKGASQAGMTGYGMPRQIM

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.