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AR50059PU-N Human Transgelin-3 (TAGLN3) (1-199, His-tag) - Purified

Alternate names: Neuronal protein NP22, Neuronal protein NP25

Quantity: 0.5 mg

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

Background: 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.

Uniprot ID: Q9UI15

NCBI: NP_037391.2

GeneID: 29114

Species: Human

Source: E. coli

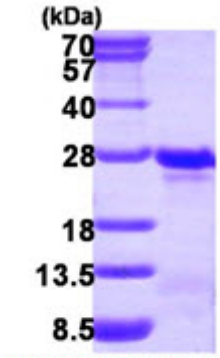
Format:
State: Liquid purified protein
Purity: >90% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 1mM DTT

Description: Recombinant human TAGLN3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MANRGPSYGL SREVQEKIEQ KYDADLENKL VDWIILQCAE
DIEHPPPGRA HFQKWLMDGT VLCKLINSLY PPGQEPIPKI SESKMAFKQM EQISQFLKAA
ETYGVRTTDI FQTVDLWEGK DMAAVQRTLM ALGSVAVTKD DGCYRGEPSW FHRKAQQNRR
GFSEEQLRQG QNVIGLQMGS NKGASQAGMT GYGMPRQIM
Molecular weight: 24.6 kDa (219aa), confirmed by MALDI-TOF

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.
Shelf life: one year from despatch.

General Readings: Ren W.Z. et al. (1994) Brain Res.Mol. Brain Res. 22: 173-185.Fan L. et al. (2001) J. Neurochem. 76: 1275-1281.

Pictures:



15% SDS-PAGE (3ug)