

# Product information

## TAGLN3, 1-199aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1234

**Full name:** Transgelin-3

**NCBI Accession No.:** NP\_037391

**Synonyms:** NP22, NP25

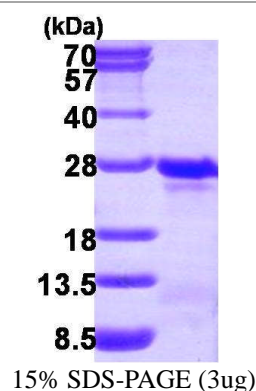
**Description:** TAGLN3, also known as transgelin-3, contains a putative Actin-binding domain, two EF-hand motifs, two potential phosphorylation sites and a calponin-homology (CH) domain. It shares homology with transgelin and calponin, two cytoskeleton-interacting proteins. Belonging to the calponin 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

**Purity:** > 90% by SDS - PAGE

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



### Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MANRGPSYGL SREVQEKIEQ KYDADLENKL VDWIILQCAE DIEHPPPGRA HFQKWLMDGT VLCKKLINSLY  
PPGQEP1PKI SESKMAFKQM EQISQFLKAA ETYGVRTTDI FQTVDLWEGK DMAAVQRTLM ALGSAVTKD DGCYRGEPSW FHRKAQQNRR  
GFSEEQLRQG QNVIQLQMG S NKGASQAGMT GYGMPRQIM

### General references:

Ren W.Z. *et al.* (1994) *Brain Res.Mol. Brain Res.* 22: 173-185.

Fan L. *et al.* (2001) *J. Neurochem.* 76: 1275-1281.

**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.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**