

## 32-5031: Recombinant Human Transgelin-3

**Alternative Name :** Transgelin 3,NP22,NP25,Neuronal protein 22,Neuronal protein NP25.

### Description

Source : E.coli. TAGLN3 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 219 amino acids (1-199) and having a molecular mass of 24.6 kDa. The TAGLN3 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. TAGLN3 holds a putative Actin-binding domain, two potential phosphorylation sites, two EF-hand motifs and a calponin-homology (CH) domain. TAGLN3 is homologous to transgelin and calponin, two cytoskeleton-interacting proteins. TAGLN3 is a member of the calponin family, and is co-localized with Actin and tubulin, which indicates that TAGLN3 has a part in neuronal plasticity or as a signaling protein. As a result of a wide-ranging expression pattern, TAGLN3 is able to take different roles in the developing and adult brain.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 90% as determined by SDS-PAGE.
<b>Content :</b>	The TAGLN3 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 20% glycerol.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MANRGPSYGL SREVQEKIEQ KYDADLENKL VDWIILQCAE DIEHPPPGRA HFQKWLMDGT VLCKLINSLY PPGQEPIPKI SESKMAFKQM EQISQFLKAA ETYGVRTTDI FQTVDLWEGK DMAAVQRTLML ALGSVAVTKD DGCYRGEPWS FHRKAQQNRR GFSEEQLRQG QNVIGLQMGSK NKGASQAGMT GYGMPPQIM