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**Product Data Sheet**


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Product Name: TAGLN3 Human  
 Cat. No.: GP24773  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Transgelin 3; NP22; NP25; Neuronal protein 22; Neuronal protein NP25.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MANRGPYGL SREVQEKIEQ KYDADLENKL VDWILQCAE DIEHPPGRA HFQKWLMDGT VLCKLINSLY PPGQPIPKI SESKMAFKQM EQISQFLKAA ETYGVRTTDI FQTVDLWEGK DMAAVQRTLM ALGSAVTKD DGCYRGEPSW FHRKAQQNRR GFSEEQLRQG QNVIGLQMGS NKGASQAGMT GYGMPRQIM		
Formulation	The TAGLN3 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 20% glycerol.		

**Introduction**

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.

**Stability**

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.

**Background**

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

**Caution: Product has not been fully validated for medical applications. For research use only.**

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24.6 kDa. The TAGLN3 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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