

Recombinant human Transgelin 3/TAGLN3 protein

Catalog Number: ATGP1234

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-199aa

UniProt No.

Q9UI15

NCBI Accession No.

NP_037391

Alternative Names

Transgelin-3, NP22, NP25

PRODUCT SPECIFICATION

Molecular Weight

24.6 kDa (219aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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chromatography.

Amino acid Sequence

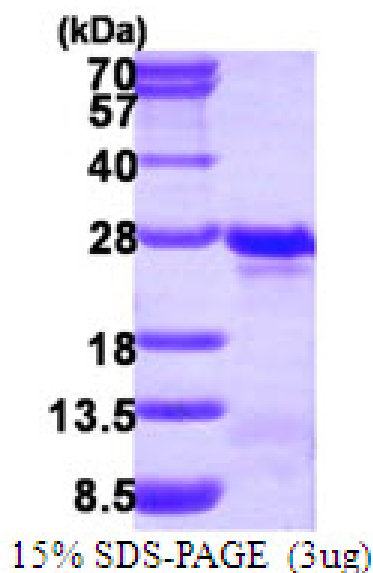
MGSSHHHHHHH SGLVPRGSH MANRGPSTYGL SREVQEKIEQ KYDADLENKL VDWIILQCAE DIEHPPPGRA HFQKWLMDGT
VLCKLINSLY PPGQEPIPKI SESKMAFKQM EQISQFLKAA ETYGVRTTDI FQTVDLWEGK DMAAVQRTLM ALGSAVATKD
DGCYRGEPSW FHRKAQQNRR GFSEEQLRQG QNVIGLQMG S NKGASQAGMT GYGMPRQIM

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.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.