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_037391.2

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

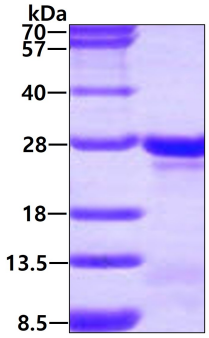
<MGSSHHHHHH SSGLVPRGSH> MANRGPSYGL SREVQEKIEQ KYDADLENKL VDWIILQCAE DIEHPPPGRA HFQKWLMDGT VLCKLINSLY PPGQEPIPKI SESKMAFKQM EQISQFLKAA ETYGVRTTDI FQTVDLWEGK DMAAVQRTLM ALGSVAVTKD DGCYRGEPSW FHRKAQQNRR GFSEEQLRQG QNVIGLQMGS NKGASQAGMT GYGMPRQIM

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.