

Recombinant human TPGS2 protein

Catalog Number: ATGP2283

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-300aa

UniProt No.

Q68CL5

NCBI Accession No.

NP_056291

Alternative Names

Tubulin polyglutamylase complex subunit 2, C18orf10, HMFN0601, HsT3006, L17, PGs2, Polyglutamylase subunit 2

PRODUCT SPECIFICATION

Molecular Weight

35.7 kDa (323aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT, 2mM EDTA

Purity

> 85% 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

TPGS2 is a protein that is a component of the neuronal polyglutamylase complex, which plays a role in post-translational addition of glutamate residues to C-terminal tubulin tails. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. Recombinant human TPGS2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MEEEASS PGLGCSKPHL EKLT LGITRI LESSPGVTEV TIEKPPAER HMISSWEQKN
NCVMPEDVKN FYLMTNGFHM TWSVKLDEHI IPLGSMAINS ISKLTQLTQS SMYSLPNAPT LADLEDDTHE ASDDQPEKPH
FDSRSVIFEL DSCNGSGKVC LVKSGKPAL AEDTEIWFLD RALYWHFLTD TFTAYYRLI THLGLPQWQY AFTSYGISPQ
AKQWFSMYKP ITYNTNLLTE ETDSFVNKLD PSKVFKSKNK IVIPKKKG PV QPAGGQKGPS GPSPGSTSST SKSSSGSGNP TRK

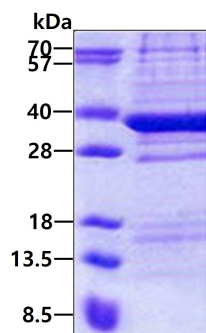
General References

Oh,J.H., et al. (2005) Mamm. Genome 16 (12), 942-954

Janke,C., et al. (2002) Science 308 (5729), 1758-1762

DATA

SDS-PAGE



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