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 posttranslational 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 Histag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



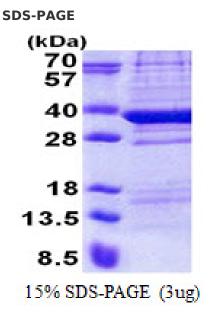
Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSMEEEASS PGLGCSKPHL EKLTLGITRI LESSPGVTEV TIIEKPPAER HMISSWEQKN NCVMPEDVKN FYLMTNGFHM TWSVKLDEHI IPLGSMAINS ISKLTQLTQS SMYSLPNAPT LADLEDDTHE ASDDQPEKPH FDSRSVIFEL DSCNGSGKVC LVYKSGKPAL AEDTEIWFLD RALYWHFLTD TFTAYYRLLI THLGLPQWQY AFTSYGISPQ AKQWFSMYKP ITYNTNLLTE ETDSFVNKLD PSKVFKSKNK IVIPKKKGPV QPAGGQKGPS GPSGPSTSST 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



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