

# Recombinant Human TPGS2, His-tagged

**Cat. No.** TPGS2-2283H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human TPGS2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 323aa                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | 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.                                                          |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT, 2mM EDTA                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 35.7kDa                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MGSSHHHHHH SSGLVPRGSH MGSMEEEASS PGLGCSKPHL EKLTLGITRI<br>LESSPGVTEV TIEKPPAER HMISSWEQKN NCVMPEDVKNFYLMTNGFHM<br>TWSVKLDEHI IPLGSMAINS ISKLTQLTQS SMYSLPNAPT LADLEDDTHE<br>ASDDQPEKPH FDSRSVIFEL DSCNGSGKVCLVYKSGKPAL AEDTEIWFLD<br>RALYWHFLTD TFTAYYRLLI THLGLPQWQY AFTSYGISPQ AKQWFSMYKP<br>ITYNTNLLTE ETDSFVNKLDPSKVFKSKNK IVIPKKKGPV QPAGGQKGPS |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GPSGPSTSST SKSSSGSGNP TRK

**Purity** >85% by SDS - PAGE

**Applications** SDS-PAGE

**Storage** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**Concentration** 0.25 mg/ml

## GENE INFORMATION

**Gene Name** [TPGS2 tubulin polyglutamylase complex subunit 2 \[ Homo sapiens \(human\) \]](#)

**Official Symbol** TPGS2

**Synonyms** L17; PGs2; C18orf10; HMFN0601; tubulin polyglutamylase complex subunit 2; TPGS2

**Gene ID** [25941](#)

**mRNA Refseq** [NM\\_001271949.1](#)

**Protein Refseq** [NP\\_001258878.1](#)

**UniProt ID** [Q68CL5](#)

**Chromosome Location** 18q12.2

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