

Recombinant Human Tpbg Protein Product Manual

1. Product Basic Information

Product No.: REP08524

Protein Name: 5T4 Oncofetal Antigen (Tpbg)

Aliases: 5T4; M6P1; 5T4AG; WAIF1; 5T4 oncofetal antigen; trophoblast glycoprotein; 5T4 oncotrophoblast glycoprotein

UniProt ID: Q5PQV5

UniProt Link: <https://www.uniprot.org/uniprotkb/Q5PQV5/entry>

Species Source: Homo sapiens (Human)

Expression System: Mammalian cell

Protein Length: Partial (32-355aa)

Molecular Weight: 37.5 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (32-355aa)

SSPTSSASSFSSSAPFLASAVSAQPPLPDQCPALCECSEAARTVKCVNRNLTEVPT
DLPAYVRNLFLTGNQLAVLPAGAFARRPPLAELAALNLSGSRLDEV RAGAFEHLPSL
RQLDL SHNPLADLSPFAFSGSNASVSAPSPLVELILNHIVPPEDERQNR SFEGMVVA
ALLAGRALQGLRRLELASNHFLYLPRDVLAQLPSLRHLDLSNNSLVSLTYVSFRNLT
HLESLHLEDNALKVLHNGTLAELQGLPHIRVFLDNNPWVCDCHMADMVTWLKETEV
VQGKDR LTCAYPEKMRNRV LLELNSADLDCDPILP PSLQTS

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions



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Upon receipt, store the product at -20°C or -80°C . It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human Tpbg partial protein (32-355aa) expressed in Mammalian cell. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. Tpbg, also known as 5T4 or M6P1 or 5T4AG, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.