



Recombinant Human TUBB4A Protein Product Manual

1. Product Basic Information

Product No.: REP08569

Protein Name: Tubulin Beta-4A Chain (TUBB4A)

Aliases: DYT4; TUBB4; tubulin beta-4A chain; tubulin beta 4A class IVa; dystonia 4, torsion (autosomal dominant)

UniProt ID: P04350

UniProt Link: <https://www.uniprot.org/uniprotkb/P04350/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-444aa)

Molecular Weight: 53.6kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-444aa)

MREIVHLQAGQCGNQIGAKFWEVISDEHGIDPTGTYHGDSDLQLERINVYYNEATG
GNYVPRAVLVDLEPGTMDSVRSRSGPFGQIFRPDNFVFGQSGAGNNWAKGHYTEGA
ELVDAVLDDVVRKEAESDCDCLQGFLTHSLGGGTGSGMGTLLISKIREEFPPDRIMNTF
SVVPSPKVSDTVVEPYNATLSVHQLVENTDETYCIDNEALYDICFRTLKLTTPTYGDL
NHLVSATMSGVTTCLRFPGLNADLRKLAVNMVFPRLHFFMPGFAPLTSRGSQQ
YRALTVPELTQQMFDAKNMMAACDPRHGRYLTVAAVFRGRMSMKEVDEQMLSVQ
SKNSSYFVEWIPNNVKTAVCDIPPRGLKMAATFIGNSTAIQELFKRISEQFTAMFRRK
AFLHWYTGEGMDEMEFTEAESNMNDLVSEYQQYQDATAEEGEFEEEEEEEEVA

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

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 TUBB4A full length protein (1-444aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. TUBB4A, also known as DYT4 or TUBB4 or tubulin beta-4A chain, 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.