

Recombinant Human TUBB Protein Product Manual

1. Product Basic Information

Product No.: REP08568

Protein Name: Beta Ib Tubulin (TUBB)

Aliases: M40; TUBB1; TUBB5; CDCBM6; CSCSC1; OK/SW-cl.56; beta Ib tubulin; tubulin beta chain; tubulin beta class tubulin beta-1 chain; tubulin beta-5 chain; tubulin, beta polypeptide; epididymis secretory sper...

UniProt ID: P07437

UniProt Link: <https://www.uniprot.org/uniprotkb/P07437/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-444aa)

Molecular Weight: 50.6 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (1-444aa)

MREIVHIQAGQCGNQIGAKFWEVISDEHGIDPTGTYHGSDQLDRISVYYNEATGG
KYVPRAILDLEPGTMDSVRSGPFGQIFRPDNFVFGQSGAGNNWAKGHYTEGAEL
VDSVLDVVRKEAESDCDCLQGFLTHSLGGGTGSGMGTLLISKIREEYPDRIMNTFS
VVPSPKVSDTVVEPYNATLSVHQLVENTDETYCIDNEALYDICFRTLKLTPTTYGDLN
HLVSATMSGVTTCLRFPGQLNADLRKLAVNMVFPRLHFFMPGFAPLTSRGSQQY
RALTVPCLTQQVFDKMMMAACDPRHGRYLTVAAVFRGRMSMKEVDEQMLNVQN
KNSSYFVEWIPNNVKTAVCDIPRGLKMAVTFIGNSTAIQELFKRISEQFTAMFRRKA
FLHWYTGEGMDEMEFTEAESNMNDLVSEYQQYQDATAEEEEEDFGEEAEAAA

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 TUBB full length protein (1-444aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. TUBB, also known as M40 or TUBB1 or TUBB5, 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.