Recombinant TBA4B protein (His tag)

Catalog Number	548848
Synonyms	Alpha-tubulin 4B
Species	Human
Expression System	E. coli
Accession	Q9H853
Molecular Weight	Predictes a molecular mass of 22.61 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 23 kDa band.

Product Information

Sequence Region	1-184
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 1-184 aa (Q9H853) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human Tubulin-like protein alpha-4B (EC 3.6.5.-) Fragment (1-184) is a high-quality, stable protein fragment designed for structural and biochemical studies. This product offers a soluble and functional unit of the alpha-tubulin 4B protein, ideal for investigating microtubule dynamics and cytoskeletal mechanisms in research applications. Tubulin serves as the primary component of microtubules, which are cylindrical structures formed by linear protofilaments of alpha- and beta-tubulin heterodimers. These microtubules are essential for maintaining cell shape, facilitating intracellular transport, and supporting cell division. The full-length Tubulin-like protein alpha-4B is localized to the cytoplasm and cytoskeleton, where it contributes to the assembly and stability of microtubule networks, playing a critical role in cellular structure and function.