



# Recombinant Human Tubulin alpha-4A chain (TUBA4A)

<b>Product Code</b>	CSB-EP025313HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P68366
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>MRECISVHVGQAGVQMGNACWELYCLEHGIQPDGQMPSDKTIGGGDDSFTT            FFCETGAGK            HVPRAVFVDLEPTVIDEIRNGPYRQLFHPEQLITGKEDAANNYARGHYTIGKEII            DPVLD            RIRKLSQDCTGLQGFLVFHSGGGTSGSFTSLLMERLSVDYGKSKLEFSIYP            APQVSTA            VVEPYNSILTTHTTLEHSDCAFMDNEAIYDICRRNLDIERPTYTNLNRLISQIVS            SITA            SLRFDGALNVDLTEFQTNLVPYPRIHFPLATYAPVISA EKAYHEQLSVAEITNAC            FEPAN            QMVKCDPRHGKYMACL LLYRGDVVPKDVNAAIAAIKTKRSIQFVDWCPTGFK            VGINYQPP            TVVPGGDLAKVQRAVCMLSNTTAIAEAWARLDHKFDLMYAKRA FVHWYVGE G            MEEGEFSE AREDMAALEKDYE EVGIDSYEDEDEGEE</p>
<b>Source</b>	E.coli
<b>Target Names</b>	TUBA4A
<b>Protein Names</b>	Recommended name: Tubulin alpha-4A chain Alternative name(s): Alpha-tubulin 1 Testis-specific alpha-tubulin Tubulin H2-alpha Tubulin alpha-1 chain
<b>Expression Region</b>	1-448
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	Microtubules of the eukaryotic cytoskeleton perform essential and diverse functions and are composed of a heterodimer of alpha and beta tubulin. The genes encoding these microtubule constituents are part of the tubulin superfamily, which is composed of six distinct families. Genes from the alpha, beta and gamma tubulin families are found in all eukaryotes. The alpha and beta tubulins represent the major components of microtubules, while gamma tubulin plays a critical role in the nucleation of microtubule assembly. There are multiple alpha and beta tubulin genes and they are highly conserved among and between species. This gene encodes an alpha tubulin that is a highly conserved



homolog of a rat testis-specific alpha tubulin.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.