



Recombinant Bovine Tubulin alpha-4A chain (TUBA4A)

Product Code	CSB-EP025313BO-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P81948
Product Type	Recombinant Protein
Immunogen Species	Bos taurus (Bovine)
Purity	>85% (SDS-PAGE)
Sequence	MRECISVHVG QAGVQMGNAC WELYCLEHGI QPDGQMPSDK TIGGGDDSFT TFFCETGAGK HVPRAVFVDL EPTVIDEIRN GPYRQLFHPE QLITGKEDAA NNYARGHYTI GKEIIDPVL D RIRKLS DQCT GLQGFLVFHS FGGGT GSGFT SLLMERLSVD YGKKS KLEFS IYPAPQVSTA VVEPYNSILT THTTLEHSDC AFMVDNEAIY DICRRNL D I E RPTYTNLNRL ISQIVSSITA SLRFDGALNV DLTEFQTNLV PYPRIHFPLA TYAPVISA EK AYHEQLSVAE ITNACFEPAN QMVKCDPRHG KYMACCLLYR GDVVPKDVNA AIAAIKTKRS IQFVDWCPTG FKVGIN YQPP TVVPGDLAK VQRAVCMLSN TTAIAEAWAR LDHKFDL MYA KRA FVHWYVG EGMEEGEFSE AREDMAALEK DYEEVGIDSY EDEDEGEE
Source	E.coli
Target Names	TUBA4A
Protein Names	Recommended name: Tubulin alpha-4A chain Alternative name(s): Alpha-tubulin 1 Tubulin alpha-1 chain
Expression Region	1-448
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.
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.

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.