Recombinant Human TUBA3C Protein, His-tagged

Cat. No. TUBA3C-536H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TUBA3C(Met1~Asn300) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1~Asn300
Description	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 is an alpha tubulin gene that encodes a protein 99% identical to the mouse testis-specific Tuba3 and Tuba7 gene products. This gene is located in the 13q11 region, which is associated with the genetic diseases Clouston hidrotic ectodermal dysplasia and Kabuki syndrome.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	36.8kDa

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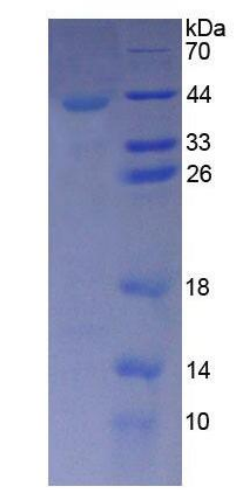
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

Gene Name	TUBA3C tubulin, alpha 3c [Homo sapiens]
Official Symbol	TUBA3C
Synonyms	TUBA3C; tubulin, alpha 3c; TUBA2, tubulin, alpha 2; tubulin alpha-3C/D chain; bA408E5.3; alpha-tubulin 2; tubulin, alpha 2; alpha-tubulin 3C/D; tubulin alpha-2 chain; TUBA2; TUBA3D;
Gene ID	7278
mRNA Refseq	NM_006001

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Protein Refseq	NP_005992
MIM	602528
UniProt ID	Q13748



15% SDS-PAGE

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