

Datasheet for ABIN7564367
CTF18 Protein (AA 1-969) (His tag)



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Overview

Quantity:	1 mg
Target:	CTF18 (CHTF18)
Protein Characteristics:	AA 1-969
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CTF18 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Chtf18 Protein expressed in mammalian cells.
Sequence:	<p>MEDYEEDLYG VEDDFQNQFA AELEVLAELE GTRDQAPPGT LQTPASRPPL TFEEAIAGGD</p> <p>TVPRPCPAGS PGNVNRNTRK NVRRDQPAPS SPMVKRPRLD VVKLNFEPD MEELLYPDSP</p> <p>PGDITPPSP EVFPEMLDAG YSDANADKDL MQTLSPRNR NPVLRPPIL EDYINVTSTS</p> <p>GERAFLVLR DLIGPGVQNP LLDVHWRGCG QLDLLGVPFA SLKEQVDSKR RQQLLEDAQQ</p> <p>LSDTLHSLRS EGEEAVLEGP PAEEPAPGQN TAQHCLWVDE FAPQHYTELL SDDFTNRCLL</p> <p>KWLKLWDLVV FGRERPARKP RPGVETTRVG KEATAPGKWK SHEQALEEML EAELDPSQRP</p> <p>RQKVALLCGP PGLGKTTLAH VVARHAGYCV VEMNASDDRS PEAFRTRIEA ATQMESVLGV</p> <p>GGRPNCLVID EIDGAPTAI NVLLGILNRK GPQEQDGGT AVAAGGRRRR AEGGLLTRPI</p> <p>ICICNDQFTP SLRQLKQQAL LLHVPPTLPS RLVQRLQEIS LQHGMRSDPG ALVALCEKTD</p> <p>NDIRACINTL QFLYGRGRRE LSVKAVQTTH VGLKDQRKGL FSVWQEVFQL PRTQRRIVGQ</p> <p>DLMLPAHALL LSNQDKGSLT LASQRFYHIL RVTTSSAGEHE KVVQGLFDNF LRLRLRDSSL</p> <p>STVCCALDWL AFDDLLEQAA HRGQSFQLLC YLPFVPAAFH VLFASSHVPR ITFPSSQQEA</p>

Product Details

QTRMSQTRNH IQTLVSGMAP TTRSRATPQA LVLDTLCLLL DVLAPKLRPV STQLYSAHEK
QQLSCLVGTM LAYSLTYHQE RTPDGQYLYK LEPNVEEVCR FPELPARKPL TYQAKQLIAR
EIEMEKMRRRA EALAWARSGP QVDQGSSGPA SLWTDSGEKG TRQPAPRNHE QRLEHIMKRA
TVQEQPERDF FGRVVIRKVA VPSREVEAPQ KDADEWRMGV AVGRSEVWFR FNEGVSNAVR
RSLYIRDLL **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	CTF18 (CHTF18)
Alternative Name:	Chtf18 (CHTF18 Products)
Background:	<p>Chromosome transmission fidelity protein 18 homolog,FUNCTION: Chromosome cohesion factor involved in sister chromatid cohesion and fidelity of chromosome transmission.</p> <p>Component of one of the cell nuclear antigen loader complexes, CTF18-replication factor C (CTF18-RFC), which consists of CTF18, CTF8, DCC1, RFC2, RFC3, RFC4 and RFC5. The CTF18-</p>

Target Details

RFC complex binds to single-stranded and primed DNAs and has weak ATPase activity that is stimulated by the presence of primed DNA, replication protein A (RPA) and by proliferating cell nuclear antigen (PCNA). The CTF18-RFC complex catalyzes the ATP-dependent loading of PCNA onto primed and gapped DNA. Interacts with and stimulates DNA polymerase POLH. During DNA repair synthesis, involved in loading DNA polymerase POLE at the sites of local damage. {ECO:0000250|UniProtKB:Q8WVB6}.

Molecular Weight: 108.1 kDa

UniProt: [Q8BIW9](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months