

Recombinant Human SUB1 Homolog(*S. cerevisiae*), His-tagged

Cat. No. SUB1-2499H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SUB1 protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 16.5 kDa (147aa).
Species	Human
Source	<i>E.coli</i>
Description	SUB1, also known as PC4, is a general coactivator that functions cooperatively with TAFs and mediates functional interactions between upstream activators and the general transcriptional machinery. SUB1 interacts with the activation domain of transcription factor IIA (TFIIA) and TATA-binding protein (TBP)-associated factors (TAFs) to directly bind to double stranded DNA. This protein induces both activation and repression of RNAPII basal transcription, depending on the presence or absence of these transcription factors and holoenzyme components.
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 5mM DTT, 20% glycerol.
Purity	> 90% by SDS – PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).
Sequences Of Amino	MGSSHHHHHH SSGLVPRGSH MPKSKELVSS SSSGSDSDSE VDKKLKRKKQ

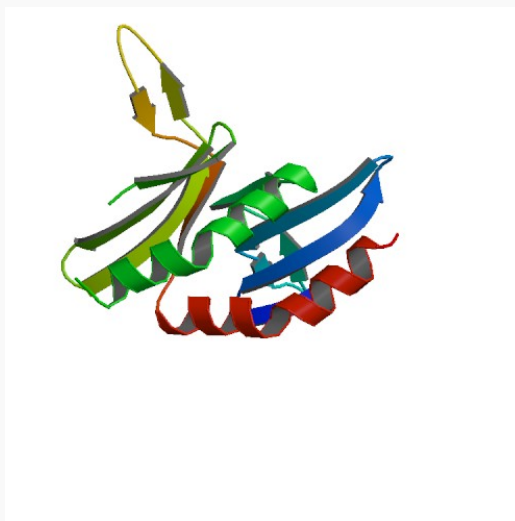
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Acids	VAPEKPVKKQ KTGETSRALS SSKQSSSSRD DNMFGIGKMR YVSVRDFKGG VLIDIREYWM DPEGEMKPGR KGISLNPEQW SQLKEQISDI DDAVRKL.
Storage	can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
GENE INFORMATION	
Gene Name	SUB1 SUB1 homolog (S. cerevisiae) [Homo sapiens]
Synonyms	SUB1; SUB1 homolog (S. cerevisiae); P15; PC4; p14; MGC102747; Activated RNA polymerase II; transcriptional coactivator p15; SUB1 homolog; Positive cofactor 4; RPO2TC1; p15; activated RNA polymerase II transcription cofactor 4
Gene ID	10923
mRNA Refseq	NM_006713
Protein Refseq	NP_006704
MIM	600503
UniProt ID	P53999
Chromosome Location	5p13.3
Function	DNA binding; protein binding; single-stranded DNA binding; transcription coactivator activity

PDB rendering based
on 1pcf.



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