9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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SUB1 Human

SUB1 Homolog Human Recombinant
RCP2290

Product Overview

Name	SUB1 Human
Description	
SUB1 Homolog Human Recombinant	
Accession (Primary)	P53999
Synonyms	
p14, P15, PC4, Positive cofactor 4, SUB1 homolog, RPO2TC1, Activated RNA polymerase II transcriptional coactivator p15, MGC102747.	
Introduction	
SUB1 is a coactivator that functions together 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. SUB1 induces both activation and repression of RNAPII basal transcription, depending on the presence or absence of these transcription factors and holoenzyme components.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
SUB1 Human solution containing 20mM Tris-HCl pH-8, 0.2M NaCl, 5mM DTT & 20% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MPKSKELVSS SSSGSDSDSE VDKKLKRKKQ VAPEKPVKKQ KTGETSRALS SSKQSSSSRD DNMFQIGKMR YVSVRDFKGK VLIDIREYWM DPEGEMKPGR KGISLNPEQW SQLKEQISDI DDAVRKL.	

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Precautions

SUB1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P53999)