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SUB1 Human

Description:SUB1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 147 amino acids (1-127 a.a.) and having a molecular mass of 16.5 kDa. SUB1 protein is fused to a 20 amino acid His tag at N-terminus and is purified by standard chromatography.

Catalog #:PRPS-842

For research use only.

Synonyms:p14, P15, PC4, Positive cofactor 4, SUB1 homolog, RPO2TC1, Activated RNA polymerase II transcriptional coactivator p15, MGC102747.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MPKSKELVSS SSSGSDSDSE VDKKLKRKKQ VAPEKPVKKQ KTGETSRALS SSKQSSSSRD DNMFQIGKMR YVSVRDFKGK VLIDIREYWM DPEGEMKPGR KGISLNPEQW SQLKEQISDI DDAVRKL.

Purity: Greater than 90% as determined by SDS-PAGE.

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.

Usage:

NeoBiolab's products are furnished forLABORATORY RESEARCHUSEONLY. They may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

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.

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