

Recombinant mouse Nuclease-sensitive element-binding protein 1

Catalog No: #AP72849

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Package Size: #AP72849-1 20ug #AP72849-2 100ug #AP72849-3 1mg

Description

Product Name	Recombinant mouse Nuclease-sensitive element-binding protein 1
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-322aaSequence Info:Full Length
Other Names	CCAAT-binding transcription factor I subunit A ;CBF-ADNA-binding protein B ;DBPBEenhancer factor I subunit A ;EFI-AY-box transcription factorY-box-binding protein 1 ;YB-1
Accession No.	P62960
Uniprot	P62960
GeneID	22608;
Calculated MW	37.6 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	SSEAETQQPPAAPAAALSAADTKPGSTGSGAGSGGPGGLTSAAPAGGDKKVIATKVLGTVKWFNVRNGYGF NRNDTKEDVVFHQTAIKKNNPRKYLRVGDGETVEFDVVEGEKGAEANVTGPGGVPVQGSKYAADRNHYR RYPRRRGPPRNYQQNYQNSESGEKNEGSESAPEGQAQQRRPYRRRRFPYYMRRPYARRPQYSNPPVQG EVMEGADNQGAGEQGRPVRQNMRYRGRPRFRGPPRQRQPREDGNEEDKENQGDDETGGQPPQRRYRR NFNYYRRRRPENPKPQDGKETKAADPPAENSSAPEAEQGGAE
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Mediates pre-mRNA alternative splicing regulation. Component of the CRD-mediated complex that promotes MYC mRNA stability. Binds to splice sites in pre-mRNA and regulates splice site selection. Binds and stabilizes Cytoplasmic domain mRNA. Contributes to the regulation of translation by modulating the interaction between the mRNA and eukaryotic initiation factors. Binds to promoters that contain a Y-box (5'-CTGATTGGCCAA-3'), such as HLA class II genes. Regulates the transcription of numerous genes. Promotes separation of DNA strands that contain mismatches or are modified by cisplatin. Has endonucleolytic activity and can introduce nicks or breaks into double-stranded DNA (in vitro). May play a role in DNA repair. Its transcriptional activity on the multidrug resistance gene MDR1 is enhanced in presence of the APEX1 acetylated form at 'Lys-6' and 'Lys-7'. Binds preferentially to 5'-[CU]CUGCG-3' motif in vitro .The secreted form acts as an Extracellular domain mitogen and stimulates cell migration and proliferation.

References

Absence of MHC expression in lens and cloning of dbpB,YB-1, a DNA-binding protein expressed in mouse lens.Shaughnessy M., Wistow G.J.Curr.

Note: This product is for in vitro research use only