

RuvB-like 2 (RUVBL2) Recombinant Protein | RUVBL2 recombinant protein

Recombinant Human RuvB-like 2 (RUVBL2)

CATALOG #
AAA116870

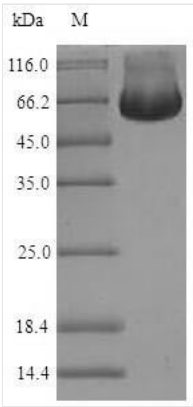
HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

PRODUCT SYNONYMS

RuvB-like 2 (RUVBL2); Recombinant Human RuvB-like 2 (RUVBL2); RuvB-like 2; EC=3.6.4.12; 48 kDa TATA box-binding protein-interacting protein; 48 kDa TBP-interacting protein; 51 kDa erythrocyte cytosolic protein; ECP-51; INO80 complex subunit J; Repressing pontin 52; Reptin 52; TIP49b; TIP60-associated protein 54-beta; RUVBL2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-463aa; Full Length of Mature Protein
Sequence	ATVTATTKVP EIRDVTRIER IGAHSHIRGL GLDDALEPRQ ASQGMVGQLA ARRAAGVVLE MIREGKIAGR AVLIAGQPGT GKTAIAMGMA QALGPDTPFT AIAGSEIFSL EMSKTEALTQ AFRRSIGVRI KEETEIIIEGE VVEIQIDRPA TGTGSKVGKL TLKTTEMETI YDLGTMIES LTKDKVQAGD VITIDKATGK ISKLGRSFTR ARDYDAMGSQ TKFVQCPDGE LQKRKEVVHT VSLHEIDVIN SRTQGFLALF SGDTGEIKSE VREQINAKVA EWREEGKAEI IPGVLFIDEV HMLDIESFSF LNRALES DMA PVLIMATNRG ITRIRGTSYQ SPHGIPIDLL DRLLIVSTTP YSEKDTKQIL RIRCEEEDVE MSEDAYTVLT RIGLETSLRY AIQLITAASL VCRKRKGTEV QVDDIKRVYS LFLDESRTQ YMKEYQDAFL FNELKGETMD TS
Species	Homo sapiens (Human)
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Coli host-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for RUVBL2 recombinant protein	Possesses single-stranded DNA-stimulated ATPase and ATP-dependent DNA helicase (5' to 3') activity; hexamerization is thought to be critical for ATP hydrolysis and adjacent subunits in the ring-like structure contribute to the ATPase activity. Component of the NuA4 histone acetyltransferase complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. The NuA4 complex ATPase and helicase activities seem to be, at least in part, contributed by the association of RUVBL1 and RUVBL2 with EP400. NuA4 may also play a direct role in DNA repair when recruited to sites of DNA damage. Component of a SWR1-like complex that specifically mediates the removal of histone H2A.Z/H2AFZ from the nucleosome. Proposed core component of the chromatin remodeling INO80 complex which is involved in transcriptional regulation, DNA replication and probably DNA repair. Plays an essential role in oncogenic transformation by MYC and also modulates transcriptional activation by the LEF1/TCF1-CTNNB1 complex. May also inhibit the transcriptional activity of ATF2. Involved in the endoplasmic reticulum (ER)-associated degradation (ERAD) pathway where it negatively regulates expression of ER stress response genes.
Product Categories/Family for RUVBL2 recombinant protein	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	5730023
NCBI GeneID	10856
NCBI Accession #	NP_006657.1
NCBI GenBank Nucleotide #	NM_006666.1
UniProt Accession #	Q9Y230; Q6FIB9; Q6PK27; Q9Y361
Molecular Weight	67 kDa
NCBI Official Full Name	ruvB-like 2
NCBI Official Synonym Full Names	RuvB-like AAA ATPase 2
NCBI Official Symbol	RUVBL2
NCBI Official Synonym Symbols	RVB2; TIH2; ECP51; TIP48; CGI-46; INO80J; REPTIN; TIP49B

NCBI Protein Information	ruvB-like 2; ECP-51; TAP54-beta; reptin52 protein; repressing pontin 52; INO80 complex subunit J; RuvB (E coli homolog)-like 2; 48 kDa TBP-interacting protein; TIP60-associated protein 54-beta; 51 kDa erythrocyte cytosolic protein; erythrocyte cytosolic protein, 51-KD; 48 kDa TATA box-binding protein-interacting protein
UniProt Protein Name	RuvB-like 2
UniProt Gene Name	RUVBL2
UniProt Synonym Gene Names	INO80J; TIP48; TIP49B; 48 kDa TBP-interacting protein; ECP-51; Reptin 52; TAP54-beta
UniProt Entry Name	RUVB2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/ruvbl2-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/116870>