

Product datasheet for SC327821

XAB1 (GPNI) (NM_007266) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	XAB1
Synonyms:	ATPBD1A; MBDIN; NTPBP; RPAP4; XAB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC327821 representing NM_007266. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCGGTGTCTCTATGGTCGGGTGGTGGGCCAGGAGGAAGATGGCGCGTCCGCAGCTGCCGCTGAG
CTCCAGGCTTCTGGGGGTCCGCGGCACCCAGTGTGTCTGTTGGTGTGGGAATGGCGGGATCCGGGAAA
ACCACTTTTGTACAGAGGCTCACAGGACACCTGCATGCCAAGGCACTCCACCGTATGTGATCAACCTG
GATCCAGCAGTACATGAAGTTCCTTTCTGCCAATATTGATTCGTGATACTGTAAAGTATAAGAA
GTAATGAAACAATATGGACTTGGACCCAATGGCGGCATAGTGACCTCACTCAATCTCTTTGCTACCAGA
TTTGATCAGGTGATGAAATTTATTGAGAAGGCCAGAACATGTCCAATATGTGTTGATTGACACACCT
GGACAGATTGAGGTATTCACCTGGTCAGCTTCTGGGACAATTATCACTGAAGCCCTTGCATCCTCATTT
CCAACAGTTGTCATCTATGTAATGGACACATCGAGAAGTACCAACCCAGTGACCTTCATGTCCAACATG
CTCTATGCCTGCAGCATCTTATACAAAACCAAGCTGCCTTTTATTGTGGTCATGAATAAACTGACATC
ATTGACCACAGCTTTCAGTGGAAATGGATGCAGGATTTTGAGGCTTCCAAGATGCCTTGAATCAAGAG
ACTACATACGTCAGTAACCTGACTCGTTCAATGAGCCTGGTGTAGATGAGTTTACAGCTCACTCAGG
GTGGTGGGTGTCTCTGCTGTTCTGGTACTGGATTAGATGAACTCTTTGTGCAAGTTACAGTGCTGCC
GAAGAATATGAAAGGGAGTATCGTCCTGAATATGAACGTCTGAAAAAATCACTGGCCAACGCAGAGAGC
CAACAGCAGAGAGAAACAACCTGGAACGCCTTCGAAAAGATATGGGTTCTGTAGCCTTGGATGCAGGGACT
GCCAAAGACAGCTTATCTCCTGTGCTGCACCCCTTCTGATTTGATCCTGACTCGAGGAACCTTGGATGAA
GAGGATGAGGAAGCAGACAGCGATACTGATGACATTGACCACAGAGTTACAGAGGAAAGCCATGAAGAG
CCAGCATTCCAGAATTTTATGCAAGATCGATGCCACAATACTGGAAGAGAAACAATAAATAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



ACCN:	NM_007266
Insert Size:	1167 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_007266.3</u>
RefSeq Size:	1849 bp
RefSeq ORF:	1167 bp
Locus ID:	11321
UniProt ID:	<u>Q9HCN4</u>
Cytogenetics:	2p23.3
Domains:	AAA, ATP-bind
MW:	43.3 kDa

Gene Summary:

This gene encodes a guanosine triphosphatase enzyme. The encoded protein may play a role in DNA repair and may function in activation of transcription. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2009]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (α). CCDS Note: The coding region has been updated to shorten the N-terminus to one that is more supported by conservation.