

Product datasheet for **SC108925**

XAB1 (GPN1) (NM_007266) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	XAB1 (GPN1) (NM_007266) Human Untagged Clone
Tag:	Tag Free
Symbol:	XAB1
Synonyms:	ATPBD1A; MBDIN; NTPBP; RPAP4; XAB1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_007266, the custom clone sequence may differ by one or more nucleotides

ATGCGGTGTCTCTATGGTCGGGTGGGTGGGGCCAGGAGGAAGATGGCGGCGTCCGAGCTGCCGCTGAGC
TCCAGGCTTCTGGGGTCCGCGGCACCCAGTGTGTCTGTTGGTGTGGGAATGGCGGGATCCGGGAAAAC
CACTTTTGTACAGAGGCTCACAGGACACCTGCATGCCAAGGCACTCCACCGTATGTGATCAACCTGGAT
CCAGCAGTACATGAAGTTCCTTTCTGCAATATTGATATTCGTGATACTGTAAAGTATAAAGAAGTAA
TGAAACAATATGGACTTGGACCAATGGCGGCATAGTGACCTCACTCAATCTCTTTGCTACCAGATTTGA
TCAGGTGATGAAATTTATTGAGAAGGCCAGAACATGTCCAAATATGTGTTGATTGACACACCTGGACAG
ATTGAGGTATTCACCTGGTCAGCTTCTGGGACAATTATCACTGAAGCCCTTGCATCCTCATTTCACACAG
TTGTCATCTATGTAATGGACACATCGAGAAGTACCAACCCAGTGACCTTCATGTCCAACATGCTCTATGC
CTGCAGCATCTTATACAAAACCAAGCTGCCTTTTCATTGTGGTCATGAATAAAACCTGACATCATTGACCAC
AGCTTTGCAGTGGAATGGATGCAGGATTTTGAGGCTTTCCAAGATGCCTTGAATCAAGAGACTACATACG
TCAGTAACCTGACTCGTTCAATGAGCCTGGTGTAGATGAGTTTTACAGCTCACTCAGGGTGGTGGGTGT
CTCTGCTGTTCTGGGTACTGGATTAGATGAACCTTTGTGCAAGTTACCAGTGCTGCCGAAGAATATGAA
AGGGAGTATCGTCCTGAATATGAACGCTGAAAAAATCACTGGCCAACGCAGAGAGCCAACAGCAGAGAG
AACAACCTGGAACGCCCTTCGAAAAGATATGGGTTCTGTAGCCTTGGATGCAGGGACTGCCAAGACAGCTT
ATCTCCTGTGCTGCACCCTTCTGATTTGATCCTGACTCGAGGAACCTTGGATGAAGAGGATGAGGAAGCA
GACAGCGATACTGATGACATTGACCACAGAGTTACAGAGGAAAGCCATGAAGAGCCAGCATTCCAGAATT
TTATGCAAGAATCGATGGCACAATACTGGAAGAGAAACAATAAATAG



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_007266 unedited
 ATTTTGTATACGACTACTATAGGCGGCCGCAATTCGGCACCAGCCAAGAGAAGAGGCGG
 CGTCCGCGAGCTGCCGCTGAGCTCCAGGCTTCTGGGGTCCGCGGCACCCAGTGTGTCTGT
 TGGTGTGGGAATGGCGGGATCCGGGAAAACCACTTTTGTACAGAGGCTCACAGGACACC
 TGCATGCCCAAGGCACTCCACCGTATGTGATCAACCTGGATCCAGCAGTACATGAAGTTC
 CCTTCTGCCAATATTGATATTCGTGATACTGTAAAGTATAAAGAAGTAATGAAACAAT
 ATGGACTTGGACCCAATGGCGGCATAGTGACCTCACTCAATCTCTTGGTACCAGATTTG
 ATCAGGTGATGAAATTTATTGAGAAGGCCAGAACATGTCCAAATATGTGTTGATTGACA
 CACCTGGACAGATTGAGGTATTCACCTGGTCAGCTTCTGGGACAATTATCACTGAAGCCC
 TTGCATCCTCATTTCCAACAGTTGTCTATGTAATGGACACATCGAGAAGTACCAACC
 CAGTGACCTTCATGTCCAACATGCTCTATGCCTGCAGCATCTTATACAAAACCAAGCTGC
 CTTTCATTGTGGTCATGAATAAACTGACATCATTGACCACAGCTTTCAGTGGAATGGA
 TGCATGATTTTGGGCTTCCAAGATGCCTTGAATCAAGAGACTACATACGTAGTAACC
 TGACTCGTTCAATGAGCCTGGTGTAGATGAGTTTTACAGCTCACTCANGGTGGTGGGTG
 TCTCTGCTGTTCTGGGTACTGGATTAGATGACTCTTGTGCAAGTACCAGTGCTGCCGAA
 GAATATGAAAGGAGTATCGTCCTGAATTGAACGCTCTGAAAAACACTTGGCAACGCAAG
 AGCCACAGCAGAGAGACACTGGAACGCCTTCGAAGAATATGGTCTGTACCCTGTAGCGG
 GACTGCAAAACAATTTATCTCTTGCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_007266 unedited
 NTTTTACTTGACCGCGGCCGATTCTANATTTTTTTTTTTTTTTTACTTTATAATAAAACA
 CTTTTATTGCTGCAGAATGTTAACTGCATAACAGGCACCAGATGGTCAAGACGAGGGAA
 ATATGAGAAGGCAAAATGATGTGAGGATTAGTATCTTGAGATTCACCTGGTCTGGAATTAT
 GTCATAGGCTACTATGCATCAGAATCACATGGAGGGCTTCTAAAACAGACTGCTCAGCC
 CACCCCCAGGGTTTCTGAGTTCATAGGTTATAAGAGGTAAGTTGAACAATCCCCAGATG
 ATGCTGATGCTCCTGGTCCACAATGTGAGAACCACTAAGTTGGAGTACTGACTCATAGAG
 ATAAAAATCTTTGAAAGAAATGTACTGTTTTAAGATACTGTAAAAATGTGGAGGCAGGGCA
 AACGTTTATAAGGGCTGTTATGTATGAAATGTGCCTCTGACCCAAATCCACGGACTTTGC
 GAAAATCACCAGGAGACTTTGCATTAAGTTTCAAGTACAATAACAACTGGGCCTAGCTC
 TGTATTTAGTCAGTATGTGCACGTGGGAACTTTAGTAAAATATCACCTCCTTATTGAGA
 CAAGTTTGGACATCTGGCCTTAAGCCTCTGTTGAACAGGAGAAGTGAAGCTGTTTGAAT
 TATATAATTTTCTAATTTGAAATCATGACAAGCAGTCTTAGAACAAAGTTAAATTAANA
 AGTCTTTATCCAAGTCACCAATGAAACAGGATTCTGATTCATTAATCATGTCTTGCCAC
 TTTTTCAACANACCTGACGTCCTATAATGAGCTATACAGTGTGAGGCATATTTATAGC
 AACGTTGGTTGATTGCCAAGGAGACTCTGCCACCNGTCTGGATAGCTCATGTTTCCCTTT
 TCCTTGGCTGCNTATAGAGGGCACCTACAGTGCAGGGT

Restriction Sites:

NotI-NotI

ACCN:

NM_007266

Insert Size:

7080 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).

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.

RefSeq: [NM_007266.1](#), [NP_009197.1](#)

RefSeq Size: 1849 bp

RefSeq ORF: 1125 bp

Locus ID: 11321

UniProt ID: [Q9HCN4](#)

Cytogenetics: 2p23.3

Domains: AAA, ATP-bind

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 (a). CCDS Note: The coding region has been updated to shorten the N-terminus to one that is more supported by conservation.