

Product datasheet for SC325705

XAB1 (GPNI) (NM_001145049) 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:	>SC325705 representing NM_001145049. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGTTCCTTTCTGCCAATATTGGTGATGAAATTTATTGAGAAGGCCGAGAACATGTCCAATAT
GTGTTGATTGACACACCTGGACAGATTGAGGTATTCACCTGGTCAGCTTCTGGGACAATTATCACTGAA
GCCCTTGATCCTCATTCCAACAGTTGTCATCTATGTAATGGACACATCGAGAAGTACCAACCCAGTG
ACCTTCATGTCCAACATGCTCTATGCCTGCAGCATCTTATACAAAACCAAGCTGCCTTTTCATTGTGGTC
ATGAATAAACTGACATCATTGACCACAGCTTTGCAGTGGAATGGATGCAGGATTTTGAGGCTTTCCAA
GATGCCTTGAATCAAGAGACTACATACGTCACTAACCTGACTCGTTCAATGAGCCTGGTGTAGATGAG
TTTTACAGCTCACTCAGGGTGGTGGTGTCTCTGCTGTTCTGGGTACTGGATTAGATGAACTCTTTGTG
CAAGTTACCAGTGCTGCCGAAGAATATGAAAGGGAGTATCGTCCTGAATATGAACGTCTGAAAAATCA
CTGGCCAACGCAGAGAGCCAACAGCAGAGAGAACTGGAACGCCTTCGAAAAGATATGGGTTCTGTA
GCCTTGGATGCAGGACTGCCAAAGACAGCTTATCTCCTGTGCTGCACCTTCTGATTGATCCTGACT
CGAGGAACCTTGGATGAAGAGGATGAGGAAGCAGACAGCGATACTGATGACATTGACCACAGAGTTACA
GAGGAAAGCCATGAAGAGCCAGCATTCCAGAAATTTATGCAAGAATCGATGGCACAATACTGGAAGAGA
AACATAAATAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001145049
Insert Size:	840 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_001145049.1</u>
RefSeq Size:	1635 bp
RefSeq ORF:	840 bp
Locus ID:	11321
UniProt ID:	<u>Q9HCN4</u>
Cytogenetics:	2p23.3
MW:	31.8 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 (4) has multiple coding region differences compared to variant 1. These differences cause translation initiation at a downstream AUG and result in an isoform (d) with a shorter N-terminus compared to isoform a.