

## Product datasheet for **SC331636**

### **ABH2 (ALKBH2) (NM\_001205180) Human Untagged Clone**

#### Product data:

|                      |  |
|----------------------|--|
| Product Type:        | Expression Plasmids  |
| Product Name:        | ABH2 (ALKBH2) (NM_001205180) Human Untagged Clone  |
| Tag:                 | Tag Free   |
| Symbol:              | ABH2   |
| Synonyms:            | ABH2   |
| Vector:              | pCMV6-Entry (PS100001)   |
| Fully Sequenced ORF: | >SC331636 representing NM_001205180.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s) |

```
ATGGACAGATTCCTGGTCAAAGGGGCTCAAGGGGCCTTTGAGGAAGCAGGAGGAGCAAGACCAACT
GGAGAAGAGCCAGCTGTGTTGGGAGGAGACAAAGAAAGCACAAGGAAGAGGCCAGGAGAGAGGCCCA
GGGAATGGAGGCCACTCAGCAGGCCCTAGCTGGCGGCACATTCGGGCTGAGGGCCTGGACTGCAGTTAC
ACAGTCTGTTTGGCAAAGCTGAGGCAGATGAGATTTTCCAAGAGTTGGAGAAAGAAGTAGAATATTTT
ACAGGTATAAAGATGGCTGTGACCACATCGGGGAGCACCGAGATGATGAAAGAGAACTGGCCCTGGGA
GCCCCATTGCCTCTGTCTCCTTCGGTGCCTGCAGAGACTTGTCTCCGGCATAAGGATCCCGTGGGA
AAAGCCCCTCCAGGAGGGTGGCGGTGGTCAGGCTGCCGCTGGCCACGGGAGCTTACTAA
```

|                    |  |
|--------------------|--|
| Restriction Sites: | Sgfl-Mlul  |
| ACCN:              | NM_001205180   |
| Insert Size:       | 474 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).   |



[View online »](#)

**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\\_001205180.1](#)

**RefSeq Size:** 857 bp

**RefSeq ORF:** 474 bp

**Locus ID:** 121642

**UniProt ID:** [Q6NS38](#)

**Cytogenetics:** 12q24.11

**Protein Families:** Druggable Genome

**MW:** 17.1 kDa

**Gene Summary:** The Escherichia coli AlkB protein protects against the cytotoxicity of methylating agents by repair of the specific DNA lesions generated in single-stranded DNA. ALKBH2 and ALKBH3 (MIM 610603) are E. coli AlkB homologs that catalyze the removal of 1-methyladenine and 3-methylcytosine (Duncan et al., 2002 [PubMed 12486230]).[supplied by OMIM, Mar 2008]  
Transcript Variant: This variant (5) lacks a coding exon compared to variant 1. The resulting protein (isoform 2) is shorter but has the same N- and C-termini compared to isoform 1. Variants 4 and 5 encode the same protein.