

## Product datasheet for PH306529

### ALKBH1 (NM\_006020) Human Mass Spec Standard

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Mass Spec Standards  |
| Description:                          | ALKBH1 MS Standard C13 and N15-labeled recombinant protein (NP_006011)   |
| Species:                              | Human  |
| Expression Host:                      | HEK293   |
| Expression cDNA Clone or AA Sequence: | RC206529   |
| Predicted MW:                         | 43.9 kDa   |
| Protein Sequence:                     | >RC206529 protein sequence<br>Red=Cloning site Green=Tags(s)<br><br>MGKMAAVGVSATLATEPGEDAFRKLFRFYRQSRPGTADLEGVIDFSAAHAARGKPGAQKVIKSQLNVS<br>SVSEQNAYRAGLQPVSKWQAYGLKGYPGFIFIPNPFLPGYQWHWVKQLKLYSQKPNVCNLDKMSKEET<br>QDLWEQSKEFLRYKEATKRRPRSLLLEKLRWVTVGYYHNWDSKKYSADHYTPFPSDLGFLSEQVAAACGFE<br>DFRAEAGILNYYRLDSTLGIHVDRSELDHSPKLLSFSFGQSAIFLLGGLQRDEAPTAMFMHSGDIMMSG<br>FSRLLNHAVPRVLPNPEGEGLPHCLEAPLPAVLPRDSMVEPCSMEDWQVCASYLKTARVNMTVRQVLATD<br>QNFPLEPIEDEKRDISTEGFCHLDDQNSEVKRARINPHS<br><br>TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Tag:                                  | C-Myc/DDK  |
| Purity:                               | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Concentration:                        | >0.05 µg/µL as determined by microplate BCA method   |
| Labeling Method:                      | Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine   |
| Buffer:                               | 25 mM Tris-HCl, 100 mM glycine, pH 7.3   |
| Storage:                              | Store at -80°C. Avoid repeated freeze-thaw cycles.   |
| Stability:                            | Stable for 3 months from receipt of products under proper storage and handling conditions.   |
| RefSeq:                               | <u>NP_006011</u>   |
| RefSeq Size:                          | 2585   |
| RefSeq ORF:                           | 1167   |
| Synonyms:                             | ABH; ABH1; alkB; ALKBH; hABH   |
| Locus ID:                             | 8846   |



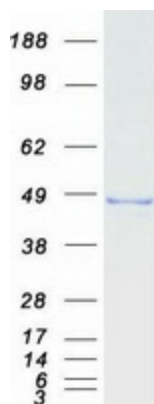
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UniProt ID: [Q13686](#), [Q5XKL0](#)

Cytogenetics: 14q24.3

Summary: This gene encodes a homolog to the E. coli alkB gene product. The E. coli alkB protein is part of the adaptive response mechanism of DNA alkylation damage repair. It is involved in damage reversal by oxidative demethylation of 1-methyladenine and 3-methylcytosine. [provided by RefSeq, Jul 2008]

### Product images:



Coomassie blue staining of purified ALKBH1 protein (Cat# [TP306529]). The protein was produced from HEK293T cells transfected with ALKBH1 cDNA clone (Cat# [RC206529]) using MegaTran 2.0 (Cat# [TT210002]).