

## Product datasheet for **TP312873**

### ALKBH3 (NM\_139178) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human alkB, alkylation repair homolog 3 (E. coli) (ALKBH3), 20 µg   |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC212873 representing NM_139178<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)   |
|                                       | <br>MEEKRRRARVQGAWAAPVKSQAIAQPATTAKSHLHQKPGQTWKNKEHHLSDFEFVKEPQQVRRAPRPR<br>VIDREGVYEISLSPTGVSRLVCLYPGFVDVKEADWILEQLCQDVPWKQRTGIKEDITYQQPRLTAWYGELP<br>YTYSRITMEPNPHWHPVLRLLKNRIEENTGHTFNSLLCNLYRNEKDSVDWHSDDPSLGRCPPIIASLSFG<br>ATRTFEMRKKPPPEENGEYTYVERVKIPLDHGTLIMEGATQADWQHRVPKEYHSREPRVNLTFRTVYPD<br><br><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b> |
| Tag:                                  | C-Myc/DDK  |
| Predicted MW:                         | 33.2 kDa   |
| Concentration:                        | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:                               | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:                               | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| Preparation:                          | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.   |
| Note:                                 | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.   |
| Storage:                              | Store at -80°C.  |
| Stability:                            | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  |
| RefSeq:                               | <a href="#">NP_631917</a>  |
| Locus ID:                             | 221120   |
| UniProt ID:                           | <a href="#">Q96Q83</a>   |



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RefSeq Size: 1520

Cytogenetics: 11p11.2

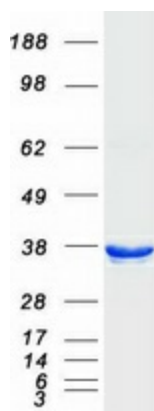
RefSeq ORF: 841

Synonyms: ABH3; DEPC-1; DEPC1; hABH3; PCA1

**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 (MIM 610602) and ALKBH3 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]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified ALKBH3 protein (Cat# TP312873). The protein was produced from HEK293T cells transfected with ALKBH3 cDNA clone (Cat# [RC212873]) using MegaTran 2.0 (Cat# [TT210002]).