

## Product datasheet for **TP312873M**

### 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), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC212873 representing NM_139178 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MEEKRRRARVQGAWAAPVKSQAIAPATTAKSHLHQKPGQTWKNKEHHLSDFEFVKEPQQVRRAPRPR  
VIDREGVYEISLSPTGVSRLVCLYPGFVDVKEADWILEQLCQDVPWKQRTGIKEDITYQQPRLTAWYGELP  
YTYSRITMEPNPHWHPVLRLLKNRIEENTGHTFNSLLCNLYRNEKDSVDWHSDDPSLGRCPPIIASLSFG  
ATRTFEMRKKPPPEENGEYTYVERVKIPLDHGTLIMEGATQADWQHRVPKEYHSREPRVNLTFRTVYPD

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

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

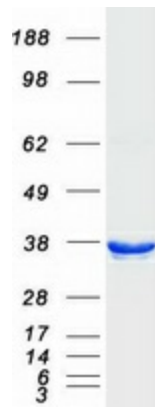
RefSeq ORF: 841

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]).