

Product datasheet for TP310103

ABH2 (ALKBH2) (NM_001001655) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human alkB, alkylation repair homolog 2 (E. coli) (ALKBH2), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210103 protein sequence Red=Cloning site Green=Tags(s)

MDRFLVKGAQGGLLRKQEEQEPTGEEPAVLGGDKESTRKRPRREAPNGGGHSAGPSWRHIRAEGLDCSYT
VLFGKAEADEIFQELEKEVEYFTGALARVQVFGKWHVPRKQATYGDAGLTYTFSGLTLSPKPWIPVLER
IRDHVSGVTGQTFNFVLINRYKDGCDHIGEHRDDERELAPGSPIASVSFGACRDFVFRHKDSRGKSPSRR
VAVVRLPLAHGSLMMNHPTNTHWYHSLPVRKKVLAPRVNLTFRKILLTKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	29.1 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:	<u>NP_001001655</u>
Locus ID:	121642



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UniProt ID: [Q6NS38](#)

RefSeq Size: 1056

Cytogenetics: 12q24.11

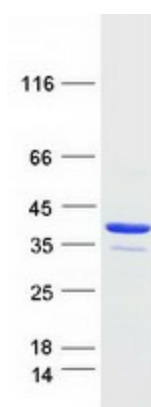
RefSeq ORF: 783

Synonyms: ABH2

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]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified ALKBH2 protein (Cat# TP310103). The protein was produced from HEK293T cells transfected with ALKBH2 cDNA clone (Cat# [RC210103]) using MegaTran 2.0 (Cat# [TT210002]).