

Product datasheet for TP306529

ALKBH1 (NM_006020) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human alkB, alkylation repair homolog 1 (E. coli) (ALKBH1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206529 protein sequence Red =Cloning site Green =Tags(s)

MGKMAAAVGSVATLATEPGEDAFRKLFRFYRQSRPGTADLEGVIDFSAAHAARGKGPQAQKVIKSQLNVS
SVSEQNAYRAGLQPVSKWQAYGLKGYPGFIFIPNPFLPGYQWHWVKQCLKLYSQKPNVCNLDKHMSKEET
QDLWEQSKEFLRYKEATKRRPRSLEKLRWVTVGYHYNWDSKKYSADHYTPFPSDLGFLSEQVAAACGFE
DFRAEAGILNYYRLDSTLGIHVDRSELDHSPKLLSFSFGQSAIFLLGGLQRDEAPTAMFMHSGDIMIMSG
FSRLLNHAVPRVLPNPEGEGLPHCLEAPLPAVLPRDSMVEPCSMEDWQVCASYLKTARVNMTVRQVLATD
QNFPLEPIEDEKRDISTEGFCHLDDQNSEVKKRARINPHS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	43.7 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_006011</u>
Locus ID:	8846



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

RefSeq Size: 2585

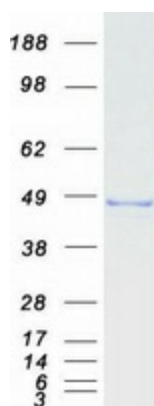
Cytogenetics: 14q24.3

RefSeq ORF: 1167

Synonyms: ABH; ABH1; alkB; ALKBH; hABH

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]).