OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TP502335

Alkbh7 (BC029677) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse alkB, alkylation repair homolog 7 (E. coli) (cDNA clone MGC:39017 IMAGE:5364485), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR202335 protein sequence Red=Cloning site Green=Tags(s) MRLLSGCAWVRGSDSAVLGRLRDEAVVHPGFLSQEEEDTLTRELEPQLRRRRYEYDHWDAAIHGFRETEK SCWSDASQVILQRVRAAAFGPDQSLLSPVHVLDLEPRGYIKPHVDSVKFCGSTIAGLSLLSPSVMKLVHT QEPEQWLELLLEPGSLYILRGSARYDFSHEILRDEESFFGEHRVPRGRRISVICRSLPEGMGPGRPEEPP PAC TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	24.1 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Locus ID:	66400
UniProt ID:	Q9D6Z0
RefSeq Size:	718

View online »

Cytogenetics:	17 D
RefSeq ORF:	639
Synonyms:	2310045B01Rik; 2510008E23Rik; Abh7; Spata11
Summary:	May function as protein hydroxylase; can catalyze auto-hydroxylation at Leu-110 (in vitro), but this activity may be due to the absence of the true substrate. Required to induce programmed necrosis in response to DNA damage caused by cytotoxic alkylating agents. Acts by triggering the collapse of mitochondrial membrane potential and loss of mitochondrial function that leads to energy depletion and cell death. ALKBH7-mediated necrosis is probably required to prevent the accumulation of cells with DNA damage. Does not display DNA demethylase activity (By similarity). Involved in fatty acid metabolism.[UniProtKB/Swiss-Prot Function]