

Product datasheet for TP502934

Alkbh2 (NM_175016) Mouse Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse alkB homolog 2, alpha-ketoglutarate-dependent dioxygenase (Alkbh2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >MR202934 protein sequence Red =Cloning site Green =Tags(s) |
| | MDKFLVRPDLRDLQGGGEEPAPTGGASGLKSPDWRHLRAEGLSCDYTVLFGKAEADKIFRELEQEVEYF TGALAKVQVFGKWHSVPRKQATYGDAGLTYTFSGTLTPKPWVPLERVRDRVCEVTGQTFNFVLVNRK DGCDHIGEHRDDERELAPGSPIASVSFGACRDFIFRHKDSRGKRPRRTVEVRLQLAHGSLMMNPPTNT HWYHSLPIRKRVLAPRVNLTFRKILPTKK |
| | TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Tag: | C-MYC/DDK |
| Predicted MW: | 27.1 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. |
| RefSeq: | NP_778181 |
| Locus ID: | 231642 |
| UniProt ID: | Q6P6J4 |
| RefSeq Size: | 1148 |



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Cytogenetics: 5 F

RefSeq ORF: 720

Synonyms: 9530023G02; Abh2; AU016977; mABH2

Summary: Dioxygenase that repairs alkylated DNA and RNA containing 1-methyladenine and 3-methylcytosine by oxidative demethylation. Can also repair alkylated DNA containing 1-ethenoadenine. Has strong preference for double-stranded DNA. Has low efficiency with single-stranded substrates. Requires molecular oxygen, alpha-ketoglutarate and iron. [UniProtKB/Swiss-Prot Function]