

# Recombinant Full Length Human ALKBH4 Protein, GST-tagged

**Cat. No.** ALKBH4-1448HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human ALKBH4 full-length ORF ( NP_060091.1, 1 a.a. - 302 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 302 amino acids                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | ALKBH4 (AlkB Homolog 4, Lysine Demethylase) is a Protein Coding gene. GO annotations related to this gene include actin binding and oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen, 2-oxoglutarate as one donor, and incorporation of one atom each of oxygen into both donors.                       |
| <b>Molecular Mass</b>   | 60.2 kDa                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MAAAAAETPE VLRECGCKGI RTCLICERQR GSDPPWELPP AKTYRFIYCS<br>DTGWAVGTEE SDFEGWAFPF PGVMLIEDFV TREEEAELVR LMDRDPWKLS<br>QSGRRKQDYG PKVNFRRKQKL KTEGFCGLPS FSREVVRRMG LYPGLEGFRP<br>VEQCNLDYCP ERGSAIDPHL DDAWLWGERL VSLNLLSPTV LSMCREAPGS<br>LLLCSAPSAA PEALVDSVIA PSRSVLCQEV EVAIPLPARS LLVLTGAARH<br>QWKHAIHRRH IEARRVCVTF RELSAEFGPG GRQQELGQEL LRIALSFQGR PV |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);                                                                                                                                                                                                                                                                                     |

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Antibody Production; Protein Array

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** ALKBH4 alkB, alkylation repair homolog 4 (E. coli) [ Homo sapiens ]

**Official Symbol** ALKBH4

**Synonyms** ABH4

**Gene ID** 54784

**mRNA Refseq** NM\_017621.3

**Protein Refseq** NP\_060091.1

**MIM** 613302

**UniProt ID** Q9NXW9

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