

## 32-2150: ALKBH3 Recombinant Protein

**Alternative Name :** Alpha-ketoglutarate-dependent dioxygenase alkB homolog 3, Alkylated DNA repair protein alkB homolog 3, DEPC-1, Prostate cancer antigen 1, ALKBH3, ABH3, DEPC1, PCA1, FLJ43614, MGC118790, MGC118792, MGC118793.

### Description

Source : Escherichia Coli. ALKBH3 Human Recombinant fused to 39 amino acid His Tag at N-terminal produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 325 amino acids (1-286 a.a.) and having a molecular mass of 37.9kDa. The ALKBH3 is purified by proprietary chromatographic techniques. ALKBH3 belongs to the ALKB family of proteins and acts as a dioxygenase with a preference for RNA and single stranded DNA substrates. ALKBH3 protein repairs 1-methyladenine and 3-methylcytosine lesions in alkylated DNA and RNA and its activity is stimulated by ascorbate. ALKBH3 is expressed in a broad array of tissues and localizes to the cytoplasm and the nucleus.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 95.0% as determined by SDS-PAGE.  
**Content :** The ALKBH3 solution 1mg/ml contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol, 2mM DTT and 0.1M NaCl.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSELDM EEKRRRARVQ  
GAWAAPVKSQ AIAQPATTAK SHLHQKPGQT WKNKEHHLSD REFVFKEPQQ VVRRAPEPRV  
IDREGVYEIS LSPTGVSVC LYPGFVDVKE ADWILEQLCQ DVPWKQRTGI REDITYQQPR  
LTAWYGELPY TYSRITMEPN PHWHPVLR TL KNRIEENTGH TFNSLLCNLY RNEKDSVDWH  
SDDEPSLGRC PIIASLSFGA TRTFEMRKKP PPEENGDYTY VERVKIPLDH GTLLIMEGAT  
QADWQHRVPK EYHSREPRVN LTFRTVYPDP RGAPW.

