

ALKB Alkylation Repair Homolog 2 Human Recombinant

Item Number	rAP-1377
Synonyms	Alpha-ketoglutarate-dependent dioxygenase alkB homolog 2, Alkylated DNA repair protein alkB homolog 2, Oxy DC1, ALKBH2, ABH2, FLJ99103, MGC90512.
Description	ALKBH2 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 281 amino acids (1-261 a.a.) and having a molecular mass of 31.4kDa. ALKBH2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q6NS38
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MDRFLVKGAQ GGLLRKQEEQ EPTGEPAVL GGDKESTRKR PRREAPGNNG HSAGPSWRHI RAEGLDCSYT VLFKAEADE IFQELEKEVE YFTGALARVQ VFGKWHVSVPR KQATYGDAGL TYTFSGLTLS PKPWIPVLER IRDHVSGVTG QTFNFVLINR YKDGCDHIGE HRDDERELAP GSPIASVSFG ACRDFVFRHK DSRGKSPSRR VAVVRLPLAH GSLLMMNHPT NTHWYHSLPV RKKVLAPRVN LTFRKILLTK K.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. 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.
Formulation and Purity	ALKBH2 solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 30% glycerol. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**