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ALKBH2, 1-261aa, Human, His tag, E.coli

产品货号: TP01139

第三版

**别名:** Alpha-ketoglutarate-dependent dioxygenase alkB homolog 2, ABH2, Oxy DC1.

**描述:** Alpha-ketoglutarate-dependent dioxygenase alkB homolog 2, also known ALKBH2, belongs to the ALKB family. Expressed in heart, colon, liver, testis, ovary, prostate and small intestine, ALKBH2 uses iron as a cofactor and functions as a dioxygenase that catalyzes the repair of alkylated DNA and RNA containing 1- methyladenine and 3-meth-ylcytosine. ALKBH2 is functionally activated by ascorbate and requires oxygen and - ketoglutarate for enzymatic activity.

**配方:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol

**分子量:** 31.4kDa (281aa), confirmed by MALDI-TOF

**序列:**

MGSSHHHHHHSSGLVPRGSHMDRFLVKGAQGGLLRKQEEQEPTGEEPAVLGGDKESTRKRPRREAPGNGGHSAGPSWR  
HIRAEGLDCSYTVLFGKAEADEIFQELEKEVEYFTGALARVQVFGKWHSVPRKQATYGDAGLTYTFSGLTLSPKPWIPVLE  
RIRDHVSGVTGQTFNFVLINRYKDGCDHIGEHRRDERELAPGSPIASVSFGACRDFVFRHKDSRGKSPSRRVAVVRLPLAH  
GSLMMNHPTNTHWYHSLPVRKKVLAPRVNLTFRKILLTKK

**纯度:** > 95% by HPLC

**浓度:** 0.5 mg/ml (determined by Bradford assay)

**内毒素:** <1.0 EU per 1 ug of protein (determined by LAL method)

**存储:** +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.