

Product datasheet for PH310103

ABH2 (ALKBH2) (NM_001001655) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ALKBH2 MS Standard C13 and N15-labeled recombinant protein (NP_001001655)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210103
Predicted MW:	29.3 kDa
Protein Sequence:	>RC210103 protein sequence Red=Cloning site Green=Tags(s) MDRFLVKGAQGGLLRKQEEQEPTGEEPVLGGDKESTRKRPRREAPGNGGHSAGPSWRHIRAEGLDCSYT VLFGKAEADEIFQELEKEVEYFTGALARVQVFGKWHSPRKQATYGDAGLTYTFSGLTLSPKPWIPVLER IRDHVSGVTGQTFNFVLINRYKDGCDHIGEHRDDERELAPGSPIASVSFGACRDFVFRHKDSRGKSPSRR VAVVRLPLAHGSLMMNHPTNTHWYHSLPVRKKVLAPRVNLTFRKILLTKK TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001001655
RefSeq Size:	1056
RefSeq ORF:	783
Synonyms:	ABH2
Locus ID:	121642
UniProt ID:	Q6NS38



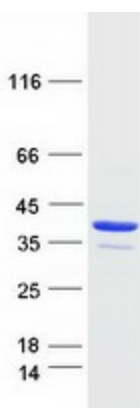
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Cytogenetics: 12q24.11

Summary: The Escherichia coli AlkB protein protects against the cytotoxicity of methylating agents by repair of the specific DNA lesions generated in single-stranded DNA. ALKBH2 and ALKBH3 (MIM 610603) are E. coli AlkB homologs that catalyze the removal of 1-methyladenine and 3-methylcytosine (Duncan et al., 2002 [PubMed 12486230]).[supplied by OMIM, Mar 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified ALKBH2 protein (Cat# [TP310103]). The protein was produced from HEK293T cells transfected with ALKBH2 cDNA clone (Cat# [RC210103]) using MegaTran 2.0 (Cat# [TT210002]).