Recombinant Full Length Human RBFOX1 Protein, Flag tagged

Cat. No. RBFOX1-02HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human ataxin 2-binding protein 1 (A2BP1), transcript variant 4 with C-Flag tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-397 aa
Description	The Fox-1 family of RNA-binding proteins is evolutionarily conserved, and regulates tissue-specific alternative splicing in metazoa. Fox-1 recognizes a (U)GCAUG stretch in regulated exons or in flanking introns. The protein binds to the C-terminus of ataxin-2 and may contribute to the restricted pathology of spin centigradeerebellar ataxia type 2 (SCA2). Ataxin-2 is the product of the SCA2 gene which causes familial neurodegenerative diseases. Fox-1 and ataxin-2 are both l centigradealized in the trans-Golgi network. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Molecular Mass	42.6 kDa
AASequence	MNCEREQLRGNQEAAAAPDTMAQPYASAQFAPPQNGIPAEYTAPHPHPAPEYTGQ TTVPEHTLNLYPPAQTHSEQSPADTSAQTVSGTATQTDDAAPTDGQPQTQPSENTE NKSQPKRLHVSNIPFRFRDPDLRQMFGQFGKILDVEIIFNERGSKGFGFVTFENSAD

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	ADRAREKLHGTVVEGRKIEVNNATARVMTNKKTVNPYTNGWKLNPVVGAVYSPEFY AGTVLLCQANQEGSSMYSAPSSLVYTSAMPGFPYPAATAAAAYRGAHLRGRGRTV YNTFRAAAPPPPIPAYGGVVYQDGFYGADIYGGYAAYRYAQPTPATAAAYSDSYGR VYAADPYHHALAPAPTYGVGAMNAFAPLTDAKTRSHADDVGLVLSSLQASIYRGGY NRFAPYTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration pr centigradeess.
Storage	Store at -80 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Concentration	> 0.05 μg/μL as determined by microplate BCA method

GENE INFORMATION

Gene Name	RBFOX1 RNA binding protein, fox-1 homolog (C. elegans) 1 [Homo sapiens (human)]
Official Symbol	RBFOX1
Synonyms	RBFOX1; RNA binding protein, fox-1 homolog (C. elegans) 1; RNA binding protein fox-1 homolog 1; A2BP1; ataxin 2 binding protein 1; FOX 1; hexaribonucleotide binding protein 1; HRNBP1; fox-1 homolog A; ataxin 2-binding protein 1; hexaribonucleotide-binding protein 1; 2BP1; FOX1; FOX-1;
Gene ID	54715
mRNA Refseq	NM_018723

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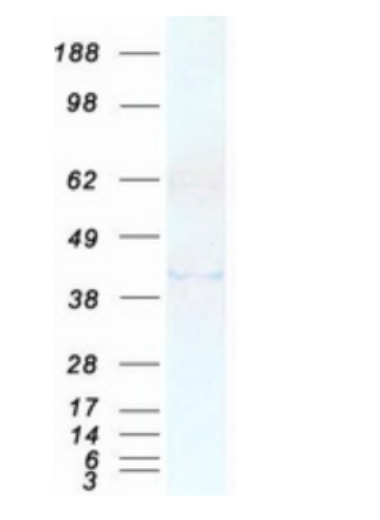
Protein Refseq	NP_061193
MIM	605104
UniProt ID	Q9NWB1
SDS-PAGE and WB	

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