

# Recombinant Human RBFox1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RBFox1-853H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	A2BP1 MS Standard C13 and N15-labeled recombinant protein (NP_061193) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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 spinocerebellar 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 localized in the trans-Golgi network. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene.
<b>Molecular Mass</b>	42.6 kDa
<b>AA Sequence</b>	MNCEREQLRGNQEAAAAPDTMAQPYASAQFAPPQNGIPAEYTAPHPHPAPEYTGQ TTVPEHTLNLYPPAQTHSEQSPADTSAQTVSGTATQTDDAAPT DGQPQTQPSENTE NKSQPKRLHVSNI PFRFRDPDLRQMFGQFGKILDVEIIFNERGSKGFGFVTFENSAD ADRAREKLHGTVVEGRKIEVNNATARVMTNKKTVNPYTNGWKLNPVVGAVYSPEFY AGTVLLCQANQEGSSMYSAPSSLVYTSAMPGFYPYPAATAAAAYRGAHLRGRGRTV

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YNTFRAAAPPPPIPAYGGVVYQDGFYGGADIYGGYAAARYAQPTPATAAAAYSDSYGR  
 VYAADPYHHALAPPTYGVGAMNAFAPLTDKTRSHADDVGLVLSSLQASIYRGGY  
 NRFAPYTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** RBFOX1 RNA binding fox-1 homolog 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

**Protein Refseq** NP\_061193

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MIM 605104

UniProt ID Q9NWB1

SDS-PAGE



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