

Recombinant Human RBFOX1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RBFOX1-853H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A2BP1 MS Standard C13 and N15-labeled recombinant protein (NP_061193) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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 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.
Molecular Mass	42.6 kDa
AA Sequence	MNCEREQLRGNQEAAAAPDTMAQPYASAQFAPPQNGIPAEYTAPHPHPAPEYTGQ TTVPEHTLNLYPPAQTHSEQSPADTSAQTVSGTATQTDDAAPT DGQPQTQPSENTE NKSQPKRLHVSNI PFRFRDPDLRQMFGQFGKILDVEIIFNERGSKGFGFVTFENSAD ADRAREKLHGT VVEGRKIEVNNATARVMTNKKTVNPYTNGWKLNPVVGAVYSPEFY AGTVLLCQANQEGSSMYSAPSSLVYTSAMPGFYPYPAATAAAAYRGAHLRGRGRTV

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YNTFRAAAPPPPIPAYGGVVYQDGFYGADIYGGYAAYRYAQPTPATAAAYSDSYGR
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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