

## Recombinant Human ATXN10 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** ATXN10-3556H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | ATXN10 MS Standard C13 and N15-labeled recombinant protein (NP_037368) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | This gene encodes a protein that may function in neuron survival, neuron differentiation, and neuritogenesis. These roles may be carried out via activation of the mitogen-activated protein kinase cascade. Expansion of an ATTCT repeat from 9-32 copies to 800-4500 copies in an intronic region of this locus has been associated with spinocerebellar ataxia, type 10. Alternatively spliced transcript variants have been described.          |
| <b>Molecular Mass</b>   | 53.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | MAAPRPPPARLSGVMVPAPIQDLEALRALTALFKEQRNRETAPRTIFQRVLDILKKSS<br>HAVELACRDPSQVENLASSLQLITECFRCLRNACIECSVNQNSIRNLDTIGVAVDLILL<br>FREL RVEQESLLTAFRCGLQFLGNIASRNEDSQSIVVWHAFPELFLSCLNHPDKKIVA<br>YSSMILFTSLNHERMKELEENLNIAIDVIDAYQKHPESEWPFLITDLFLKSPELVQAMF<br>PKLNNQERVTLDDLMIAKITSDEPLTKDDIPVFLRHAELIASTFVDQCKTVLKLASEEP<br>PDDEEALATIRLLDVLCEMTVNTELLGYLQVFPGLLERVIDLLRVIHVAGKETTNIFSN<br>CGCVRAEGDISNVANGFKSHLIRLIGNLCYKNKDNQDKVNELDGIPLILDNCNISDSN |

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|                       |                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------|
|                       | PFLTQWVIYAIRNLTEDNSQNQDLIAKMEEQGLADASLLKKVGFVEKKGEKLILKST<br>RDTPKPTRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| <b>Purity</b>         | > 80% as determined by SDS-PAGE and Coomassie blue staining                                        |
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions.         |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                        |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                                      |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                            |

## GENE INFORMATION

|                        |                                                                                                                                                                   |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | ATXN10 ataxin 10 [ Homo sapiens (human) ]                                                                                                                         |
| <b>Official Symbol</b> | ATXN10                                                                                                                                                            |
| <b>Synonyms</b>        | ATXN10; ataxin 10; SCA10, spinocerebellar ataxia 10; ataxin-10; E46L; FLJ37990; brain protein E46 homolog; spinocerebellar ataxia type 10 protein; SCA10; HUMEED; |
| <b>Gene ID</b>         | 25814                                                                                                                                                             |
| <b>mRNA Refseq</b>     | NM_013236                                                                                                                                                         |
| <b>Protein Refseq</b>  | NP_037368                                                                                                                                                         |
| <b>MIM</b>             | 611150                                                                                                                                                            |

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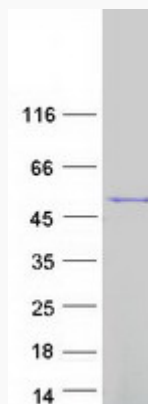
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UniProt ID

Q9UBB4

SDS-PAGE

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