

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

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

SPECIFICATION

Product Overview

ATXN10 MS Standard C13 and N15-labeled recombinant protein (NP_037368) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

This gene encodes a protein that may function in neuron survival, neuron differentiation, and neurogenesis. 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.

Molecular Mass

53.5 kDa

AA Sequence

MAAPRPPPARLSGVMVPAPIQDLEALRALTALFKEQRNRETAPRTIFQRVLDILKKSS
 HAVELACRDPSQVENLASSLQLITECFRCLRNACIECSVNQNSIRNLDTIGVAVDLILL
 FRELRVEQESLLTAFRCGLQFLGNIASRNEDSQSIVVWHAFPELFLSCLNHPDKKIVA
 YSSMILFTSLNHERMKELEENLNIADVIDAYQKHPSEWPFLITDLFLKSPELVQAMF
 PKLNNQERVTLDDLMIAKITSDEPLTKDDIPVFLRHAELIASTFVDQCKTVLKLASEEP
 PDDEEALATIRLLDVLCEMTVNTELLGYLQVFPGLLERVIDLLRVIHVAGKETTNIFSN
 CGCVRAEGDISNVANGFKSHLIRLIGNLCYKNKDNQDKVNELDGIPLILDNCNISDSN

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

PFLTQWVIYAIRNLTEDNSQNQDLIAKMEEQGLADASLLKKVGFVEKKGEKLILKST
RDTPKPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 ATXN10 ataxin 10 [Homo sapiens (human)]

Official Symbol ATXN10

Synonyms ATXN10; ataxin 10; SCA10, spinocerebellar ataxia 10; ataxin-10; E46L; FLJ37990; brain protein E46 homolog; spinocerebellar ataxia type 10 protein; SCA10; HUMEEDP;

Gene ID 25814

mRNA Refseq NM_013236

Protein Refseq NP_037368

MIM 611150

 Tel: 1-631-559-9269 1-516-512-3133

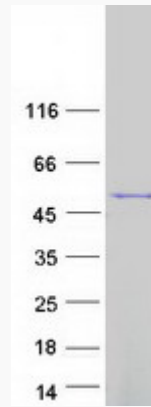
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UniProt ID

Q9UBB4

SDS-PAGE



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