

## Recombinant Human ATXN10, GST-tagged

**Cat. No.** ATXN10-10067H    **Lot. No.** (See product label)

### SPECIFICATION

**Product Overview**      Recombinant Human ATXN10 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

**Species**                      Human

**Source**                        E.coli

**ProteinLength**              120-475a.a.

**Description**                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 a pentanucleotide repeat in an intronic region of this locus has been associated with spinocerebellar ataxia, type 10. Alternatively spliced transcript variants have been described.

**Storage**                        The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

**Storage Buffer**                1M PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

### GENE INFORMATION

**Gene Name**                    [ATXN10 ataxin 10 \[ Homo sapiens \]](#)

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|                            |   |
|----------------------------|---|
| <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; HUMEEP; |
| <b>Gene ID</b>             | 25814   |
| <b>mRNA Refseq</b>         | NM_001167621  |
| <b>Protein Refseq</b>      | NP_001161093  |
| <b>MIM</b>                 | 611150  |
| <b>UniProt ID</b>          | Q9UBB4  |
| <b>Chromosome Location</b> | 22q13   |
| <b>Function</b>            | identical protein binding; protein binding;   |

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