

## Recombinant Rat Atxn1 Protein (Thr543-Ile781), N-His tagged

**Cat. No.** Atxn1-6853R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rattus norvegicusATX1 (Thr543-Ile781) fused with the N-His tag was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Thr543-Ile781
<b>Description</b>	<p>Predicted to enable several functions, including identical protein binding activity; protein C-terminus binding activity; and single-stranded RNA binding activity.</p> <p>Predicted to be involved in several processes, including learning or memory; negative regulation of transcription by RNA polymerase II; and social behavior. Predicted to act upstream of or within several processes, including negative regulation of insulin-like growth factor receptor signaling pathway; positive regulation of glial cell proliferation; and visual learning. Predicted to be located in cytosol; nuclear inclusion body; and nuclear lumen. Predicted to be part of protein-containing complex. Predicted to be active in nucleus. Human ortholog (s) of this gene implicated in spinocerebellar ataxia type 1. Orthologous to human ATXN1 (ataxin 1).</p>
<b>Form</b>	Lyophilized powder/frozen liquid
<b>Molecular Mass</b>	28.55 kDa
<b>Purity</b>	> 90 % as determined by SDS-PAGE

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<b>Notes</b>	For research use only.
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
<b>Storage Buffer</b>	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
<b>Reconstitution</b>	Reconstitute in sterile water for a stock solution.
<b>Shipping</b>	They are shipped out with dry ice/blue ice unless customers require otherwise.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Atxn1 ataxin 1 [ Rattus norvegicus (Norway rat) ]</a>
<b>Official Symbol</b>	<a href="#">Atxn1</a>
<b>Synonyms</b>	Atxn1; ataxin 1; Sca1; ataxin-1; spinocerebellar ataxia 1; spinocerebellar ataxia type 1 protein homolog
<b>Gene ID</b>	<a href="#">25049</a>
<b>mRNA Refseq</b>	<a href="#">NM_012726</a>
<b>Protein Refseq</b>	<a href="#">NP_036858</a>
<b>UniProt ID</b>	<a href="#">Q63540</a>

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