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

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

SPECIFICATION

Product Overview	Recombinant Rattus norvegicusATX1 (Thr543-Ile781) fused with the N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Thr543-Ile781
Description	Predicted to enable several functions, including identical protein binding activity; protein C-terminus binding activity; and single-stranded RNA binding activity. 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).
Form	Lyophilized powder/frozen liquid
Molecular Mass	28.55 kDa
Purity	> 90 % as determined by SDS-PAGE

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Notes	For research use only.
Storage	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.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	Atxn1 ataxin 1 [Rattus norvegicus (Norway rat)]
Official Symbol	Atxn1
Synonyms	Atxn1; ataxin 1; Sca1; ataxin-1; spinocerebellar ataxia 1; spinocerebellar ataxia type 1 protein homolog
Gene ID	25049
mRNA Refseq	NM_012726
Protein Refseq	NP_036858
UniProt ID	Q63540

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