Recombinant Human ATXN3 Protein (E2-K361), Tag Free

Cat. No. ATXN3-0367H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GG-ATXN3(E2-K361 end) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	E2-K361
Description	Deubiquitinating enzyme involved in protein homeostasis maintenance, transcription, cytoskeleton regulation, myogenesis and degradation of misfolded chaperone substrates. Binds long polyubiquitin chains and trims them, while it has weak or no activity against chains of 4 or less ubiquitins. Involved in degradation of misfolded chaperone substrates via its interaction with STUB1/CHIP: recruited to monoubiquitinated STUB1/CHIP, and restricts the length of ubiquitin chain attached to STUB1/CHIP substrates and preventing further chain extension. Interacts with key regulators of transcription and represses transcription: acts as a histone-binding protein that regulates transcription. Regulates autophagy via the deubiquitination of 'Lys-402' of BECN1 leading to the stabilization of BECN1.
Form	Liquid
Endotoxin	< 0.01 EU per μg of the protein
Purity	90%

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Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	ATXN3 ataxin 3 [Homo sapiens (human)]
Official Symbol	ATXN3
Synonyms	ATXN3; ataxin 3; Machado Joseph disease (spinocerebellar ataxia 3, olivopontocerebellar ataxia 3, autosomal dominant, ataxin 3), MJD, SCA3; ataxin-3; ATX3; JOS; josephin; ataxin 3 variant h; ataxin 3 variant m; ataxin 3 variant ref; olivopontocerebellar ataxia 3; Machado-Joseph disease protein 1; spinocerebellar ataxia type 3 protein; Machado-Joseph disease (spinocerebellar ataxia 3, olivopontocerebellar ataxia 3, autosomal dominant, ataxin 3); AT3; MJD; MJD1; SCA3;
Gene ID	4287
mRNA Refseq	NM_001127696
Protein Refseq	NP_001121168
MIM	607047

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UniProt ID	P54252

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