

Recombinant Mouse Atrn Protein, MYC/DDK-tagged

Cat. No. Atrn-825M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse attractin (Atrn), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a widely expressed transmembrane glycoprotein that plays important roles in diverse physiological processes such as regulation of hair pigmentation, monocyte-T cell interaction and control of energy homeostasis. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional protein. Certain mutations in this gene are responsible for the mahogany mouse phenotype of dark brown or black coat on a normally agouti background. Mice with loss-of-function mutations in this gene exhibit black coat color, tremor, adiposity, higher basal metabolic rate, juvenile-onset hypomyelination and age-dependent spongiform neurodegeneration of the central nervous system.
Molecular Mass	158.5 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 µg/mL as determined by microplate BCA method
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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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GENE INFORMATION

Gene Name	Atrn attractin [Mus musculus (house mouse)]
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Official Symbol	Atrn
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Synonyms	Atrn; attractin; mg; Mgca; AW558010; attractin; protein mahogany
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Gene ID	11990
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mRNA Refseq	NM_009730
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Protein Refseq	NP_033860
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UniProt ID	Q9WU60
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