

Product datasheet for TP518405

Atrn (NM_009730) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse attractin (Atrn), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR218405 representing NM_009730
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MVAVAAAAATEARLRGSTTATAAPAGRKGRQHRPCTATGAWRPGPRARLCLPRVLSRALPPPPLLLPLLS
 LLLLPLPREAEEAAVAAVSGSAAAEAKECDRPCVNGGRCNPGTGQCVCPTGWVGEQCQHCGRFRLLTGS
 SGFVTDGPGNYKYKTKCTWLIEGQPNRIMRLRFNHFATECSWDHLYVYDGDSDIYAPLIAAFSLIVPERD
 GNETAPEVTVTSGYALLHFFSDAAYNLTGFNITYNFDMCNNCSGRGECKSSNSSSAVECECSENWKGES
 CDIPHCTDNCGFPHRGICNASDTRGCSCFPHWQGGPGCSIPVPANQSFWTREEYSDLKLPRAHKAHVNGN
 IMVVVGGYMFNHSYDYSMLAYDLTSREWLPNHSVNSVWVRYGHSALHDKIYMYGGKIDSTGNVTNEL
 RVFHIHNESWVLLTPKAKDQYAVVGHSAHIVTLASGRVVMLVIFGHCPYLYGYSVQVEYDLEKNTWSILH
 TQGALVQGGYGHSSVYDDRTKALYVHGGYKAFSANKYRLADDLYRYDVTQMWTILKDSRFFRYLHTAVI
 VSGTMLVFGGNTHNDTSMHSHGAKCFSSDFMAYDIACDRWSVLPRPELHHDVNRFGHSAVLYNSTMYVFGG
 FNSLLSDVLVFTSEQCDAHRSEAACVAAGPGIRCLWDTQSSRCTSWELATEEQAEKLGKSECFKRTLDH
 DRCDQHTDCYSCTANTNDCHWCNDHCVPVNHSCTEGQISIAKYESCPCNDNPMYYCNKKTSCRSCALDQNC
 QWEPRNQECIALPENICGNGWHLVGNLKITAKENYDNAKLSCRNHNAFLASLTSQKKVEFVLKQLRL
 MQSSQSMSKLTLPWVGLRKINVSYWCWEDMSPFTNSLLQWMPSEPSDAGFCGILSEPSTRGLKAATCIN
 PLNGSVCERPANHSAKQCRTPCALRTACGECTSSSECMWCSNMKQCVDSNAYVASFPFGQCMEWYTMSS
 CPPENCSTCYCTSHCLEQPGCGWCTDPSNTGKGGKIEGSYKGPVKMPSQASAGNVYPQPLLNSSMCLEDS
 RYNWSFIHCPACQCNHSHKINQSVCEKCEDLTTGKHCECISGFYGDPTNGGKCQPCCKNGHASLCNTN
 TGKCFCTTKGVKGDCEQLCEVENRYQGNPLKGTCCYTLIDYQFTFSLSQEDDRYTTAINFVATPDEQNR
 DLDMFINASKNFNLNITWATSFAGTQTGEEVPPVSKTNIKEYKDSFSNEKFDNRNHPNITFFVYVSNFT
 WPIKIQIAFSQHSNFMDLVQFFVTFSCFLSLLLVAAVVWIKQSCWASRRREQLLREMQQMASRPFASV
 NVALETDEEPPDLIGSIVKPIALEPCFGNKAAVLSVFVRLPRGLGGIPPPGQSGLAVASALVDISQ
 QMPIVYKEKSGAVRNRKQPPAQPATCI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK



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Predicted MW:	158.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_033860
Locus ID:	11990
UniProt ID:	Q9WU60
RefSeq Size:	8740
Cytogenetics:	2 63.26 cM
RefSeq ORF:	4284
Synonyms:	AW558010; mg; Mgc; Mgca
Summary:	<p>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. [provided by RefSeq, Jul 2016]</p>