

Recombinant Human ATRN Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ATRN-5517H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ATRN MS Standard C13 and N15-labeled recombinant protein (NP_647538) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes both membrane-bound and secreted protein isoforms. A membrane-bound isoform exhibits sequence similarity with the mouse mahogany protein, a receptor involved in controlling obesity. A secreted isoform is involved in the initial immune cell clustering during inflammatory responses that may regulate the chemotactic activity of chemokines.
Molecular Mass	141.4 kDa
AA Sequence	MVAAAAATEARLRRRTAATAALAGRSGGPHWDWDVTRAGRPGLGAGLRLPRLLSP PLRPRLLLLLLLLSPPLLLLLLPCEAEAAAAAAVSGSAAAEAKECDRPCVNGGRCNP GTGQCVCPAGWVGEQCQHCGRFRLTGSSGFVTDGPGNYKYKTKCTWLIEGQPN RIMRLRFNFHATECSWDHLYVYDGDSIYAPLVAAFSGLIVPERDGNETVPEVVATSG YALLHFFSDAAYNLTGFNITYSFDMCPPNCSGRGECKISNSSDTVECECSENWKGE ACDIPHCTDNCGFPHRGICNSSDVRGCSCFSDWQGP GCSVPVPANQSFWTREEYS NLKLPRASHKAVVNGNIMWVVGGYMFNHS DYNMVLAYDLASREWLP LNRSVNNVV VRYGHSLALYKDKIYMYGGKIDSTGNVTNELRVFHIHNESWVLLTPKAKEQYAVVGH

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SAHIVTLKNGRVVMLVIFGHCPPLYGYISNVQEYDLDKNTWSILHTQGALVQGGYGHS
SVYDHRTRALYVHGGYKAFAFSANKYRLADDLYRYDVDTQMWTILKDSRFFRYLHTAVI
VSGTMLVFVGGNTHNDTSMHGAKECFSSDFMAYDIACDRWSVLPRPDLHHDVNRFG
HSAVLHNSTMYVFGGFNSLLLSLILVFTSEQCDHRSEAACLAAGPGIRCVWNTGS
SQCISWALATDEQEEKLKSECFSKRTLHDHRCQHTDCYSCTANTNDCHWCNDHC
VPRNHSCSEGQISIFRYENCPCDNPMPYYCNKKTSCRSCALDQNCQWEPRNQECIAL
PENICGIGWHLVGNLCKITTAKENYDNAKLFCRNHNALLASLTQKKVEFVLKQLRI
MQSSQSMKLTLPWWGLRKINVSYWCVWEDMSPFTNSLLQWMPSEPSDAGFCGIL
SEPSTRGLKAATCINPLNGSVCPANHSKQCRTPCALRTACGDCTSGSSECMW
CSNMKQCVDSNAYVASFPFGQCMWYTMSTCPPENCSEGYCTCSHCLEQPGCGW
CTDPSNTGKGKCIEGSYKGPVKMPSQAPTGNFYQPLLNSSMCLEDSRYNWSFIHC
PACQCNHSGKINQSICEKCNLTGKHCETCISGFYGDPTNGGKCQPCCKNGHAS
LCNTNTGKCFCTTKGVKGDECQLCEVENRYQGNPLRGTCYYTLLIDYQFTFSLSQE
DDRYYTAINFVATPDEQNRDLDMFINASKNFNLNITWAASFAGTQAGEEMPVVSKT
NIKEYKDSFSNEKFDFRNHPNITFFVYVSNFTWPIKIQVQTEQSGPTRTRPLEQKLISE
EDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ATRN attractin [Homo sapiens (human)]
Official Symbol	ATRN
Synonyms	ATRN; attractin; DPPT L; mahogany protein; MGCA; attractin-2; mahogany homolog; DPPT-L; KIAA0548; MGC126754;
Gene ID	8455
mRNA Refseq	NM_139322
Protein Refseq	NP_647538
MIM	603130
UniProt ID	O75882
SDS-PAGE	