

Adropin Active Peptide

Adropin

CATALOG #
AAA60590

PRODUCT SYNONYMS

Adropin; Adropin active peptide

PRODUCT SPECIFICATIONS

Form/Format	White amorphous powder
Sequence	Cys-His-Ser-Arg-Ser-Ala-Asp-Val-Asp-Ser-Leu-Ser-Glu-Ser-Ser-Pro-Asn-Ser-Ser-Pro-Gly-Pro-Cys-Pro-Glu-Lys-Ala-Pro-Pro-Gln-Lys-Pro-Ser-His-Glu-Gly-Ser-Tyr-Leu-Leu-Gln-Pro (Disulfide bond between Cys ³⁴ -Cys ⁵⁶)
Product	Synthetic
Note	Regulatory Factor in Energy Homeostasis
Molecular Formula	C ₁₉₀ H ₂₉₃ N ₅₅ O ₆₈ S ₂
Specific Optical Rotation	[α] _D ²⁰ -129° (c* 0.09, 1% AcOH) * c value was calculated from the net peptide weight.
Elemental Analysis	Found C, 45.86; H, 6.77; N, 14.86 %
Amino Acid Analysis	Acid Hydrolysis: 6HCl, 110°C, 22h Asp (3) 3.03 Ser (10) 8.66 Glu (5) 4.94 Pro (9) 8.98 Gly (2) 2.02 Ala (2) 2.02 1/2Cystine (2) 1.73 Val (1) 1.01 Leu (3) 3.03 Tyr (1) 0.95 Lys (2) 2.00 NH ₃ (3) 5.29 His (2) 2.03 Arg (1) 1.01
Mass Spectral Analysis	Exhibits correct MW
Preparation and Storage	Store at -20°C.

ADDITIONAL INFORMATION

Related Product Information for Adropin active peptide	[[Rat, Mouse]] Synthetic Product Cys-His-Ser-Arg-Ser-Ala-Asp-Val-Asp-Ser-Leu-Ser-Glu-Ser-Ser-Pro-Asn-Ser-Ser-Pro-Gly-Pro-Cys-Pro-Glu-Lys-Ala-Pro-Pro-Pro-Gln-Lys-Pro-Ser-His-Glu-Gly-Ser-Tyr-Leu-Leu-Gln-Pro (Disulfide bond: 34-56) (M.W. 4499.80) C ₁₉₀ H ₂₉₃ N ₅₅ O ₆₈ S ₂ Regulatory Factor in Energy Homeostasis References: K.G. Kumar, J.L. Trevaskis, D.D. Lam, G.M. Sutton, R.A. Koza, V.N. Chouljenko, K.G. Kousoulas, P.M. Rogers, R.A. Kesterson, M. Thearle, A.W. Ferrante, Jr., R.L. Mynatt, T.P. Burris, J.Z. Dong, H.A. Halem, M.D. Culler, L.K. Heisler, J.M. Stephens, and, Cell Metab., 8, 468 (2008). (Original: Primary Structure/Pharmacol.)
Product Categories/Family for Adropin active peptide	Biologically Active Peptide

NCBI AND UNIPROT INFORMATION

Molecular Weight	4499.82
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

