



LKT Laboratories, Inc.

Adrenomedullin (13-52), human

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Product Information

Product ID A1369
CAS No.
Chemical Name
Synonym
Formula C220H330N60O54S2
Formula Wt. 4533.17
Melting Point
Purity ≥95%
Solubility Soluble in water, acid.

H-Ser-Phe-Gly-Cys-Arg-Phe-Gly-Thr-Cys-Thr-Val-Gln-Lys-Leu-Ala-His-Gln-Ile-Tyr-Gln-Phe-Thr-Asp-Lys-Asp-Lys-Asp-Asn-Val-Ala-Pro-Arg-Ser-Lys-Ile-Ser-Pro-Gln-Gly-Tyr-NH₂ (Disulfide Bridge Cys4-Cys9)

Bulk quantities available upon request

Product ID	Size
A1369	0.5 mg
A1369	1 mg
A1369	2.5 mg

Store Temp -20° C
Ship Temp Ambient

Description Adrenomedullin is an endogenous peptide hormone involved in growth and differentiation of stem cells. This peptide exhibits vasodilatory, natriuretic, and cardioprotective activities. Adrenomedullin decreases blood pressure and increases neovascularization. This peptide binds microtubule-associated proteins in the cytoskeleton and also activates CLR-RAMP receptors, regulating vascular tone and cardiovascular development.

References Larráyoz IM, Martínez-Herrero S, Ochoa-Callejero L, et al. Is the cytoskeleton an intracellular receptor for adrenomedullin and PAMP? *Curr Protein Pept Sci.* 2013 Aug;14(5):429-43. PMID: 23745706.

Chang CL, Hsu SY. Roles of CLR/RAMP receptor signaling in reproduction and development. *Curr Protein Pept Sci.* 2013 Aug;14(5):393-406. PMID: 23745703.

Shindo T, Sakurai T, Kamiyoshi A, et al. Regulation of adrenomedullin and its family peptide by RAMP system--lessons from genetically engineered mice. *Curr Protein Pept Sci.* 2013 Aug;14(5):347-57. PMID: 23745699.

Larrayoz IM, Ochoa-Callejero L, García-Sanmartín J, et al. Role of adrenomedullin in the growth and differentiation of stem and progenitor cells. *Int Rev Cell Mol Biol.* 2012;297:175-234. PMID: 22608560.

Wong HK, Cheung TT, Cheung BM. Adrenomedullin and cardiovascular diseases. *JRSM Cardiovasc Dis.* 2012 Aug 10;1(5). PMID: 24175071.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.