

Product Data Sheet

Cat# SP-54832-1

Description: Intermedin (human) (AA: Thr-Gln-Ala-Gln-Leu-Leu-Arg-Val-Gly-Cys-Val-Leu-Gly-Thr-Cys-Gln-Val-Gln-Asn-Leu-Ser-His-Arg-Leu-Trp-Gln-Leu-Met-Gly-Pro-Ala-Gly-Arg-Gln-Asp-Ser-Ala-Pro-Val-Asp-Pro-Ser-Ser-Pro-His-Ser-Tyr-NH₂) (MW: 5102.84)

Size: 1 mg

Purity: >95%

Store: Desiccated at -20oC.

Intermedin (IMD), also known as adrenomedullin 2, is a novel peptide, of the calcitonin/calcitonin gene-related peptide (CGRP) family, which includes calcitonin, CGRP, amylin; recently discovered simultaneously by 2 groups in 2004. IMD is expressed in many organ systems, including but not limited to the gastrointestinal tract, lungs, cardiovascular and renal systems, hypothalamus, pituitary gland, adrenal gland, placenta, uterus, and ovaries. IMD functions systemically as a potent vasodilator, delays gastric emptying, and enhances angiogenesis. IMD is expressed in the day 5 blastocyst stage in human pregnancy. As implantation and placentation proceeds, IMD levels are higher in the earlier weeks of first-trimester placenta and decline as pregnancy advances toward the second trimester. In addition, this study suggests a physiological role for IMD in trophoblast invasion in early placental development and its association with first-trimester spontaneous abortion in human pregnancy.

References

Havemann (2001) 3J Clin Endocrinol Metab.98(2): 695–703. Roh J (2004) J Biol Chem.;279(8):7264–7274

Related Items

Catalog#	Product Description
SP-89205-1	Biotin-Intermedin (human) (AA: Biotin-Thr-Gln-Ala-Gln-Leu-Leu-Arg-Val-Gly-Cys-Val-Leu-Gly-Thr-Cys-Gln-Val-Gln-Asn-Leu-Ser-His-Arg-Leu-Trp-Gln-Leu-Met-Gly-Pro-Ala-Gly-Arg-Gln-Asp-Ser-Ala-Pro-Val-Asp-Pro-Ser-Ser-Pro-His-Ser-Tyr-NH ₂) (MW: 5329.14)
SP-89207-1	Biotin-Intermedin (rat) (AA: Biotin-Pro-His-Ala-Gln-Leu-Leu-Arg-Val-Gly-Cys-Val-Leu-Gly-Thr-Cys-Gln-Val-Gln-Asn-Leu-Ser-His-Arg-Leu-Trp-Gln-Leu-Val-Arg-Pro-Ser-Gly-Arg-Arg-Asp-Ser-Ala-Pro-Val-Asp-Pro-Ser-Ser-Pro-His-Ser-Tyr-NH ₂) (MW: 5445.29)
SP-89206-1	Intermedin (rat) (AA: Pro-His-Ala-Gln-Leu-Leu-Arg-Val-Gly-Cys-Val-Leu-Gly-Thr-Cys-Gln-Val-Gln-Asn-Leu-Ser-His-Arg-Leu-Trp-Gln-Leu-Val-Arg-Pro-Ser-Gly-Arg-Arg-Asp-Ser-Ala-Pro-Val-Asp-Pro-Ser-Ser-Pro-His-Ser-Tyr-NH ₂) (MW: 5216.99)
SP-89208-1	Intermedin-53(human)(AA:His-Ser-Gly-Pro-Arg-Arg-Thr-Gln-Ala-Gln-Leu-Leu-Arg-Val-Gly-Cys-Val-Leu-Gly-Thr-Cys-Gln-Val-Gln-Asn-Leu-Ser-His-Arg-Leu-Trp-Gln-Leu-Met-Gly-Pro-Ala-Gly-Arg-Gln-Asp-Ser-Ala-Pro-Val-Asp-Pro-Ser-Ser-Pro-His-Ser-Tyr-NH ₂)(MW5793.61)
SP-54832-1	150409SV

Alpha Diagnostic Intl Inc., 6203 Woodlake Center Dr, S an Antonio, T X 7 8 24 4 , U S A;

India Contact:

Life Technologies (India) Pvt. Ltd.

306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400 Fax: +91-11-42208444 Email: customerservice@lifetechindia.com Website: www.lifetechindia.com