ALPHA DIAGNOSTIC INTERNATIONAL

Product Data Sheet

Cat# **SP-52232-1**

Description: Calcitonin Gene Related Peptide II (CGRP-II), Human [Ala-Cys-Asn-Thr-Ala-Thr-Cys-Val-Thr-Hos-Arg-Leu-Ala-Gly-Leu-Leu-Ser-Arg-Ser-Gly-Gly-Met-Val-Lys-Ser-Asn-Phe-Val-Pro-Thr-Asn-Val-Gly-Ser-Lys-Ala-Phe-NH2 (Disulfide bridge Cys2-Cys7); MW: 3793.38]

Size: 0.5 mg

Purity: >95%

Store: Desiccated at -20oC.

Calcitonin is a peptide hormone synthesized by the parafollicular cells of the thyroid. It causes reduction in serum calcium, an effect opposite to that of parathyroid hormone. It exists as two forms, α-CGRP and β-CGRP. CGRP is thought to play a role in cardiovascular homeostasis and nociception. It is a vasodilator and functions in transmission of pain. Regulation of the calcitonin gene related peptide (CGRP) gene is in part controlled by the expression of the mitogen-activated protein kinases (MAPK) signaling pathway, cytokines such as TNFα and iNOS. Increased levels of CGRP results in migraine and temporomandibular joint disorder, cardiac failure, hypertension, and sepsis.

References

Amara, SG., (1982). Nature 298 (5871): 240–4. Brain SD., (1985). Nature 313 (5997): 54–6. McCulloch, J. et al. (1986). Proc Natl Acad Sci USA 83 (15): 5731–5735. Buzzi, M., (1995). Cephalalgia 15 (4): 277–280. Goto, K. et al. (1992). Ann NY Acad Sci 267: 194–203. Joyce, C. et al. (1990). Surgery 108 (6): 1097–101. Edvinsson, L., (1994). Cephalalgia 14 (5): 320–7.

Related items

SP-89406-5 α-Calcitonin Gene Related Peptide (CGRP) (32-37), canine, mouse, porcine, rat
SP-89405-5 α-Calcitonin Gene Related Peptide (CGRP) (31-37), canine, mouse, rat
SP-89404-5 α-Calcitonin Gene Related Peptide (CGRP) (30-37), canine, mouse, rat
SP-89403-5 α-Calcitonin Gene Related Peptide (CGRP) (29-37), canine, mouse, rat
SP-89402-5 a-Calcitonin Gene Related Peptide (CGRP) (27-37), canine, mouse, rat [Tyr27]

SP-89401-1 α-Calcitonin Gene Related Peptide (CGRP) (23-37), human
SP-89400-1 a-Calcitonin Gene Related Peptide (CGRP) (19-37), human (acetylated)
SP-89399-1 a-Calcitonin Gene Related Peptide (CGRP), human [Cys(Acm)2,7]
SP-89398-1 a-Calcitonin Gene Related Peptide (CGRP), human (Disulfide bridge:Cys2-Cys6)) (Biotin)
SP-89397-1 a-Calcitonin Gene Related Peptide (CGRP), canine, mouse, rat (disulfide bridge: Cys2-cys7)
SP-88244-1 a -Calcitonin Gene Related Peptide (CGRP) (22 - 37), rat [Tyr22]
SP-88243-1 α-Calcitonin Gene Related Peptide (CGRP), human (Disulfide bridge: Cys2-Cys7) [Tyr0]
SP-88242-1 α - Calcitonin Gene Related Peptide (CGRP), rat (Disulfide bridge: Cys 2-Cys 7) [Tyr0]
SP-88241-1 α-Calcitonin Gene Related Peptide (CGRP) (19 - 37), human
SP-87407-5 α-Calcitonin Gene Related Peptide (CGRP) (33-37), canine, mouse, porcine, rat
SP-55280-1 Calcitonin Gene Related Peptide (CGRP) (8-37), Rat
SP-55279-1 Calcitonin Gene Related Peptide (CGRP) (8-37), Human
SP-55205-05 Calcitonin Gene Related Peptide I (CGRP) I, Rat; (Cys2-Cys7)
SP-55203-05 Calcitonin Gene Related Peptide (CGRP) , Rat (Disulfide bridge Cys2-Cys7)
SP-55202-05 Calcitonin Gene Related Peptide (CGRP) , Chicken (Cys2-Cys7)

SP-52232-1 150904SV

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