



BMA BIOMEDICALS



Peninsula Laboratories

T-4059

Rabbit anti Growth Hormone Releasing Factor (human) [UniProt: P01286]

Growth hormone-releasing factor (GRF), also known as Somatocrinin, is a 44 amino acid peptide hormone produced in the arcuate nucleus of the hypothalamus. GRF stimulates growth hormone production and release by binding to the GRF receptor (GHRHR) on cells in the anterior pituitary.

This antibody was generated by immunization of rabbits with GRF coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	n/a
Host species:	Rabbit IgG
Quantity:	50ml diluted antiserum, lyophilized
Format:	Each vial contains enough antiserum for 500 RIA tubes. The powder should be rehydrated with 50ml RIA buffer. Upon reconstitution to 50ml total volume, the solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN ₃ , and 0.1% Triton X-100. Store at 4°C. This should ensure antibody stability for approximately one month.
Stability:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Applications:	This antibody has been tested and validated in ELISA against GRF. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see www.bma.ch for protocols and general information.
Immunogen:	Synthetic peptide H-Tyr-Ala-Asp-Ala-Ile-Phe-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Gly-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Met-Ser-Arg-Gln-Gln-Gly-Glu-Ser-Asn-Gln-Glu-Arg-Gly-Ala-Arg-Ala-Arg-Leu-NH ₂ coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%
GRF (1-44) (human)	100
GRF (1-44) (porcine)	100
GRF (1-44) (bovine)	100
GRF (1-44) (ovine, caprine)	100
GRF (1-40) (human)	100
GRF (1-37) (human)	80
GRF (1-29) amide (human)	30
GRF (1-43) (rat)	0
GRF (1-42) (mouse)	0
GRF (30-44) (human)	0
VIP (human, bovine, porcine, rat)	0
Human Growth Hormone	0
Secretin (human)	0

Related Products: T-4026: anti GRF (hu) purified IgG
T-4027: anti GRF (hu) neat antiserum
S-1172: ELISA, high sensitivity for extracted samples

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

T-4059

diluted antiserum

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