

Human growth hormone-releasing factor TFA

Cat. No.:	HY-P0089A
Molecular Formula:	C ₂₁₇ H ₃₅₉ F ₃ N ₇₂ O ₆₈ S
Molecular Weight:	5153.67
Sequence Shortening:	YADAIFTNSYRKVLGQLSARKLLQDIMSRQQGESNQERGARARL-NH2
Target:	GHSR
Pathway:	GPCR/G Protein
Storage:	Sealed storage, away from moisture Powder -80°C 2 years -20°C 1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

BIOLOGICAL ACTIVITY

Description	Human growth hormone-releasing factor TFA (Growth Hormone Releasing Factor human TFA) is a hypothalamic polypeptide and stimulates GH production and release by binding to the GHRH Receptor (GHRHR) on cells in the anterior pituitary ^[1] .
In Vitro	<p>The GHRHR is a member of the class II B GPCR family, which couples predominantly to the Gs-adenylate cyclase-cAMP signaling pathway. Peptide hormones that activate class II GPCRs include GHRH, secretin, glucagon-like peptides, gastric-inhibitory peptide (GIP), pituitary adenylate cyclase-activating peptide, corticotropin-releasing hormone, vasoactive intestinal peptide, parathyroid hormone, and calcitonin-related peptides^[1].</p> <p>GHRH, expressed in the arcuate nucleus of the hypothalamus and released into portal vasculature, directly stimulates growth hormone synthesis and secretion from the pituitary somatotropes by activating the corresponding GHRH receptors^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. Fridlyand LE, et al. Growth Hormone-Releasing Hormone in Diabetes. Front Endocrinol (Lausanne). 2016 Oct 10;7:129. eCollection 2016.

Caution: Product has not been fully validated for medical applications. For research use only.

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