

Rev03
Update: Feb,10,2022

DATASHEET

Adrenocorticotrophic Hormone (ACTH) (1-24), human

Cat. No.: RP11303

Overview

Synonyms	ACTH (1-24), humanAdrenocorticotrophic Hormone Fragment 1-24, human; Tetracosactide
Description	Adrenocorticotrophic hormones (ACTH). ACTH stimulates the adrenal cortex and the secretion of glucocorticoids such as cortisol. Another name for ACTH is corticotropin. ACTH (1-24) activates G proteins.
Cas No	16960-16-0
Sequence	{SER}{TYR}{SER}{MET}{GLU}{HIS}{PHE}{ARG}{TRP}{GLY}{LYS}{PRO}{VAL}{GLY}{LYS}{LYS}{ARG}{ARG}{PRO}{VAL}{LYS}{VAL}{TYR}{PRO}
Sequence Shortening	SYSMEHFRWGKPVGKKRRPVKVYP
Molecular Formula	C ₁₃₆ H ₂₁₀ N ₄₀ O ₃₁ S ₁
Molecular Weight	2933.44

Properties

Purity	> 95%
Solubility	Soluble in water. The contents of this vial have been accurately determined. Both the stopper and the vial have been siliconized. Do not attempt to weigh out a smaller portion of the contents.
Form	Lyophilized
Storage	Store the peptide at -20°C. Keep container tightly closed. Store in a cool dry place.
Note	The portion of the ACTH sequence that is conserved across species has ≈ 75% of the potency of ACTH on a molar basis.