



Product Data Sheet

Product Name: ACTH (1-24), human

Catalog Number: AS-20613 (1 mg) Lot Number: See label on vial
AS-20614 (5 mg)

Sequence: H-Ser-Tyr-Ser-Met-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-Gly-Lys-Lys-Arg-Arg-Pro-Val-Lys-Val-tyr-pro-OH (3-letter code)
SYSMEHFRWGKPVGKKRRPVKVYP (1-letter code)

Molecular Weight: 2934.5

% Peak Area by HPLC: ≥ 95

Appearance: Lyophilized white powder

Peptide Reconstitution: Using H₂O, reconstitute by adding 100 µl to 1 mg ACTH peptide. This peptide is soluble in 1%NH₄OH and DMSO

Storage: ACTH peptide is shipped at ambient temperature. Upon receipt, store lyophilized peptide at –20°C or lower. Reconstituted peptide can be aliquoted and stored at –20°C or lower.

References: Baumann, G. and JP. Felber, *J. Clin. Endocrinol. Metab.* **42**, 160 (1976); Burt, DS. and DR. Stanworth, *Biochim. Biophys. Acta* **762**, 458 (1983).

Additional Information: *Listed below are relevant information that may provide a guideline on how to use this product. End users will have to adapt to their own specific applications.*

We used two other peptides as control peptides in the fusion assay, the oxidized chain B of insulin from bovine pancreas (Sigma, St. Louis, MO) and human adrenocorticotrophic hormone (ACTH) residues 1–24 (AnaSpec, San Jose, CA), dissolved in diH₂O without further modification. In the case of oxidized chain B of insulin and ACTH, we added PBS to the diluted solutions to match the osmolarity and ionic strength of the solutions of WT-B5 peptide at a given concentration of peptide-[Estes, D. J. et al. *Biophys J.* **91**, 233 \(2006\).](#)

Published Citations:

Estes, D. J. et al. *Biophys J.* **91**, 233 (2006).
O'Donoghue, AJ. et al. *J. Biol. Chem.* **283**, 29186 (2008).

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