ACTH [Met(o2)4, D-Lys8, Phe9] (POMC, Adrenocorticotropin, Beta Lipotropin, Alpha (Beta) Melanocyte Stimulating Hormone, CLIP, Corticotropin-Lipotropin Precursor, LPH, MSH, NPP, POC, Pro-Opiomelanocortin) Peptide – (4-9) Synthetic Peptide, ~95%. Purified by HPLC. Purity

PRODUCT OVERVIEW

Product Name	ACTH, Peptide
Full Product Name	ACTH (4-9) [Met(O2)4, D-Lys8, Phe9] (POMC, Adrenocorticotropin, beta Lipotropin, alpha (beta) Melanocyte Stimulating Hormone, CLIP, Corticotropin-lipotropin precursor, LPH, MSH, NPP, POC, Pro-opiomelanocortin)
Sequence	Met(O2)-Gl u-His-Phe- D-Lys-Phe (MSH Analog) (linear)
Host	Synthetic peptide
Form/Format	Supplied as a lyophilized powder.
Purity/Purification	Highly Purified ~95%. Purified by HPLC.
Preparation and Storage	Lyophilized powder may be stored at 4 degree C for short-term only. Stable for 12 months at -20 degree C. Reconstitute to nominal volume (see reconstitution instructions for peptides) and store at -20 degree C. For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made in assay buffer.
Product Categories/Family for ACTH peptide	Molecular Biology; MB-Peptides
Related Product Information for ACTH peptide	Adrenocorticotropic hormone (ACTH), also known as corticotropin, is a polypeptide tropic hormone produced and secreted by the anterior pituitary gland. It is an important component of the hypothalamic-pituitary-adrenal axis and is often produced in response to biological stress (along with its precursor corticotropin-releasing hormone from the hypothalamus). Its principal effects are increased production and release of corticosteroids. A deficiency of ACTH is a cause of secondary adrenal insufficiency and an excess of it is a cause of Cushing's disease.
Other Notes	Small volumes of ACTH peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ACTH purchase	MBS658689 is a peptide targeting ACTH. Also known as ACTH (4-9) [Met(O2)4, D-Lys8, Phe9] (POMC, Adrenocorticotropin, beta Lipotropin, alpha (beta) Melanocyte Stimulating Hormone, CLIP, Corticotropin-lipotropin precursor, LPH, MSH, NPP, POC, Pro-opiomelanocortin). Host: Synthetic peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ACTH. It may not necessarily be applicable to this product.

NCBI GI #	490074
NCBI Accession #	CAA00890.1
NCBI Official Full Name	ACTH
Protein Family	Adrenocorticotropic hormone receptor
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