Product Data Sheet

Product Name: Exendin 4

Catalog Number: AS-24463 (0.5 mg)   Lot Number: See label on vial
AS-24464 (1 mg)

Sequence: H-His-Gly-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Leu-Ser-Lys-Gln-Met-Glu-Glu-Glu-Ala-Val-Arg-Leu-Phe-Ile-Glu-Trp-Leu-Lys-Asn-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser-NH2 (3-letter code)
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS-NH2
(1-letter code)

Molecular Weight: 4187.6

% Peak Area by HPLC: ≥ 95

Appearance: Lyophilized white powder

Peptide Reconstitution: Exendin 4 peptide is freely soluble in H_2O.

Storage: Exendin 4 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.

Description: This peptide, like Exendin-3, stimulates an increase in acinar cAMP, without stimulating the release of amylase. Ref: Eng, J. et al. *J. Biol. Chem.* **267**, 7402 (1992).

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.*

Animals were followed for 8 days. They were divided into five groups: (1) 30 islets with exendin-4 treatment (AnaSpec; San Jose, CA, USA); (2) 30 islets without treatment; (3) 75 islets without treatment (quality controls); (4) non-transplanted diabetic mice treated with exendin-4; and (5) non-transplanted diabetic mice without treatment. Exendin-4 was given as a single i.p. injection of 100 ng (approximately 24 pmol) per day from day 0 to day 7-Sharma, A. et al. *Diabetologia* **49**, 1247 (2006).

Administration of exendin-4 Synthetic exendin-4 (Ex-4) (AnaSpec, USA) was dissolved in PBS. For the glucose tolerance and insulin secretion tests, Ex-4 was administered i.p. at a dose of 0.1g/g body weight 30 minutes-Ding,J. et al. *Endocrinology* 10.1210/en.2008-1006 (2009).

Published Citations:

Sharma, A. et al. *Diabetologia* **49**, 1247 (2006).
Ding,J. et al. *Endocrinology* 10.1210/en.2008-1006 (2009).

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