4434-s Hepcidin 1 (Mouse) (Typical Assay)

Asp-Thr-Asn-Phe-Pro-Ile-Cys-Ile-Phe-Cys-Cys-Lys-Cys-Cys-Asn-Asn-Ser-Gln-Cys-Gly-Ile-Cys-Cys-Lys-Thr (disulfide bonds undetermined)

M.W. 2754.24 $C_{111}H_{169}N_{31}O_{35}S_8$

Appearance: white amorphous powder

Elemental Analysis: Calculated for $C_{111}H_{169}N_{31}O_{35}S_8$ x 2 AcOH x 16 H_2O

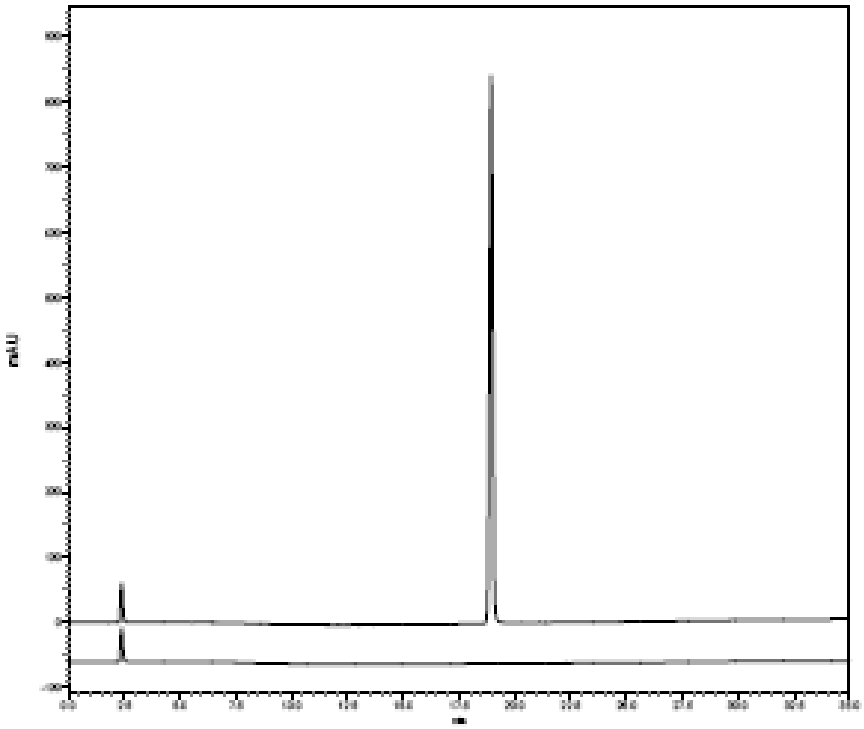
calc.	C: 43.67	H: 6.66	N: 13.73
found:	C: 43.65	H: 6.54	N: 13.64

Amino Acid Analysis: 6N HCl, 110 °C, 22 h

Asp (4) 3.90	Thr (2) 1.81	Ser (1) 0.81	Glu (1) 1.00
Pro (1) 1.04	Gly (1) 1.00	Cys (8) 6.18	Ile (3) 2.89
Phe (2) 1.96	Lys (2) 1.96	NH_3 (4) 5.11	

TLC: single spot

Cellulose Layer Application: 50 µg
Solvent System: n-BuOH : AcOH : H_2O : Pyridine = 15:3:12:10
Located by Ninhydrin and Pauly reagent



Sample Size: 1.2 µl (0.1 mg / 20 µl | 1% HAc
Column: YMC Pack ODS A-302 (4.6 mm ID x 150 mm)
Detection 210 nm

Hepcidin-1 (mouse) is sold for research purposes only and not for use in humans