

## Native Salmon calc1

**Cat. No.** calc1-8308S    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Product Overview</b> | Native Salmon calc1 was purified from Salmon.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Salmon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | Calcitonin Acetate (Salmon) is synthetic polypeptide of 32 amino acids in the same linear sequence that is found in calcitonin of salmon origin. Calcitonin Acetate (Salmon) has an amino acid sequence of: Cys-Ser-Asn-Leu-Ser-Thr-Cys-Val-Leu-Gly-Lys-Leu-Ser-Gln-Glu-Leu-His-Lys-Leu-Gln-Thr-Tyr-Pro-Arg-Thr-Asn-Thr-Gly-Ser-Gly-Thr-Pro-NH <sub>2</sub> and a molecular formula: of C <sub>145</sub> H <sub>240</sub> N <sub>44</sub> O <sub>48</sub> S <sub>2</sub> Its Molecular Weight: 3431.9 Dalton. |
| <b>Form</b>             | The calcitonin peptide was lyophilized with no additives.                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>           | Greater than 98.0% as determined by RP-HPLC and analysis by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Applications</b>     | SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage</b>          | Lyophilized Calcitonin although stable at room temperature for weeks, should be stored desiccated below -18°C. Upon reconstitution CGRP should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add carrier protein (0. 1% HSA or BSA). Please prevent freeze/thaw cycles.                                                                                                                                                                        |

### GENE INFORMATION

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|                        |                                    |
|------------------------|------------------------------------|
| <b>Gene Name</b>       | calc1 Calcitonin-1 [ Salmo salar ] |
| <b>Official Symbol</b> | calc1                              |
| <b>Synonyms</b>        | Calcitonin-1                       |
| <b>Gene ID</b>         | 100196557                          |
| <b>mRNA Refseq</b>     | NM_001141586                       |
| <b>Protein Refseq</b>  | NP_001135058                       |

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