

# Recombinant Human IAPP Protein, MYC/DDK-tagged, C13 and N15-labeled

**Cat. No.** IAPP-153H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | IAPP MS Standard C13 and N15-labeled recombinant protein (NP_000406) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | This gene encodes a member of the calcitonin family of peptide hormones. This hormone is released from pancreatic beta cells following food intake to regulate blood glucose levels and act as a satiation signal. Human patients with type 1 and advanced type 2 diabetes exhibit reduced levels of the encoded hormone in blood and pancreas. This protein also exhibits a bactericidal, antimicrobial activity. |
| <b>Molecular Mass</b>   | 9.81 kDa                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MGILKLQVFLIVLSVALNHLKATPIESHQVEKRKCNATCATQRLANFLVHSSNNFGAII<br>LSSTNVGSNTYGKRNAVEVLKREPLNYLPLTRTRPLEQKLISEEDLAANDILDYKDDD<br>DKV                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                        |
| <b>Stability</b>        | Stable for 3 months from receipt of products under proper storage and handling conditions.                                                                                                                                                                                                                                                                                                                         |

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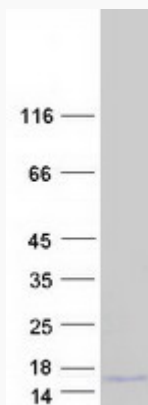
|                         |                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                                                                                                                            |
| <b>Concentration</b>    | 50 µg/mL as determined by BCA                                                                                                                                                                          |
| <b>Storage Buffer</b>   | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                                                                                                                                |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                        |
| <b>Gene Name</b>        | IAPP islet amyloid polypeptide [ Homo sapiens (human) ]                                                                                                                                                |
| <b>Official Symbol</b>  | IAPP                                                                                                                                                                                                   |
| <b>Synonyms</b>         | IAPP; islet amyloid polypeptide; DAP; IAP; islet amyloid polypeptide; Islet amyloid polypeptide (diabetes-associated peptide; amylin); amylin; diabetes-associated peptide; insulinoma amyloid peptide |
| <b>Gene ID</b>          | 3375                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>      | NM_000415                                                                                                                                                                                              |
| <b>Protein Refseq</b>   | NP_000406                                                                                                                                                                                              |
| <b>MIM</b>              | 147940                                                                                                                                                                                                 |
| <b>UniProt ID</b>       | P10997                                                                                                                                                                                                 |

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## SDS-PAGE



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