

# Recombinant Human IAPP Protein, GST-tagged

**Cat. No.** IAPP-1250H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human IAPP Protein (34-70aa) protein was expressed in E. coli with N-terminal GST-tag.                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 34-70 a.a.                                                                                                                                                                                                                                                                                                                                                                                                         |
| <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>Form</b>             | Tris-based buffer, 50% glycerol.                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | 31.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | KCNTATCATQRLANFLVHSSNNFGAILSSTNVGSNTY                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage</b>          | The shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.                                                                                                                                                                                                                                                      |

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## GENE INFORMATION

**Gene Name** IAPP islet amyloid polypeptide [ Homo sapiens (human) ]

**Official Symbol** IAPP

**Synonyms** DAP; IAP; IAPP

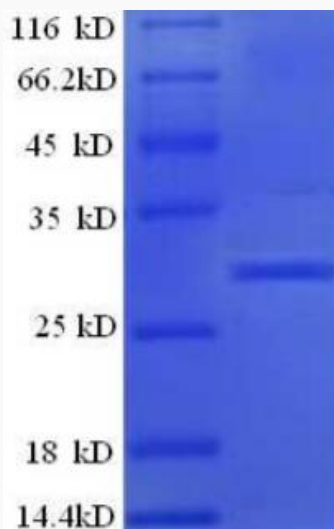
**Gene ID** 3375

**mRNA Refseq** NM\_000415.2

**Protein Refseq** NP\_000406.1

**MIM** 147940

**UniProt ID** P10997



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