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## Datasheet for ABIN5509452 Insulin Protein (INS)

### Overview

|                      |                            |
|----------------------|----------------------------|
| Quantity:            | 250 mg                     |
| Target:              | Insulin (INS)              |
| Origin:              | Human                      |
| Source:              | Escherichia coli (E. coli) |
| Protein Type:        | Recombinant                |
| Biological Activity: | Active                     |
| Application:         | Functional Studies (Func)  |

### Product Details

|                  |                                     |
|------------------|-------------------------------------|
| Characteristics: | Recombinant Human Insulin (INS)     |
| Purity:          | >95 % as determined by SDS-PAGE     |
| Endotoxin Level: | < 1.0 EU of endotoxin/μg of protein |

### Target Details

|                   |  |
|-------------------|--|
| Target:           | Insulin (INS)  |
| Abstract:         | <a href="#">INS Products</a>   |
| Molecular Weight: | 6  |
| Gene ID:          | 3630   |
| UniProt:          | <a href="#">P01308</a>   |
| Pathways:         | <a href="#">NF-kappaB Signaling</a> , <a href="#">RTK Signaling</a> , <a href="#">Positive Regulation of Peptide Hormone Secretion</a> , <a href="#">Peptide</a> |

## Target Details

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[Hormone Metabolism](#), [Hormone Activity](#), [Carbohydrate Homeostasis](#), [ER-Nucleus Signaling](#), [Regulation of Carbohydrate Metabolic Process](#), [Feeding Behaviour](#), [Autophagy](#), [Negative Regulation of intrinsic apoptotic Signaling](#), [Brown Fat Cell Differentiation](#), [Positive Regulation of fat Cell Differentiation](#)

## Application Details

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|--------------------|--|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
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| Restrictions: | For Research Use only |
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## Handling

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|         |             |
|---------|-------------|
| Format: | Lyophilized |
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| Reconstitution: | A quick spin of the vial followed by reconstitution in sterile distilled water to a concentration not less than 0.1 mg/mL is recommended. Please note, filter sterilization is a must following reconstitution. This solution can then be diluted into other buffers. |
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|          |              |
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| Storage: | 4 °C, -20 °C |
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|                  |   |
|------------------|---|
| Storage Comment: | The lyophilized protein is stable for at least one year from date of receipt at -70°C. Upon reconstitution, this cytokine can be stored in working aliquots at 2° - 8°C for one month, or at -20°C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles. |
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