Datasheet for ABIN1046987

# EIF1 Protein (AA 1-113, full length) (GST tag)

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## Overview

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| Quantity: | 100 µg |
| Target: | EIF1 |
| Protein Characteristics: | AA 1-113, full length |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This EIF1 protein is labelled with GST tag. |
| Application: | ELISA |

## Product Details

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| Sequence: | MSAIQNLHSF DPFADASKGD DLLPAGTEDY IHIRIQQRNG RKTLTTVQGI ADDYDKKKLV KAFKKKFACN GTVIEHPEYG EVIQLQGDQR KNICQFLVEI GLAKDDQLKV HGF |
| Characteristics: | Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time. |
| Purity: | 90 % |

## Target Details

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| Target: | EIF1 |
| Alternative Name: | Eukaryotic translation initiation factor 1 protein (EIF1 Products) |
| Background: | Necessary for scanning and involved in initiation site selection. Promotes the assembly of 48S ribosomal complexes at the authentic initiation codon of a conventional capped mRNA. |

## Target Details

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| Molecular Weight: | 40.1 kD |
| UniProt: | P41567 |

## Application Details

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| Comment: | The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Concentration: | 0.2-2 mg/mL |
| Buffer: | Tris-based buffer, 50 % glycerol |
| Handling Advice: | Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week |
| Storage: | -20 °C |
| Storage Comment: | Store at -20 °C for extended storage, conserve at -20 °C or -80 °C |

## Publications

| | |
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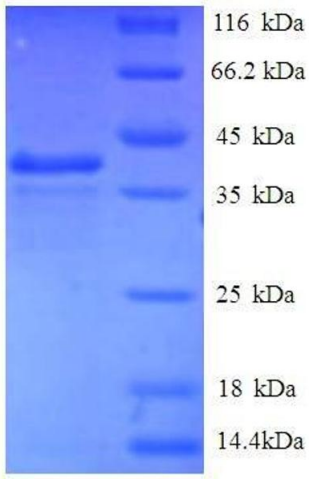
| Product cited in: | Pelletier, Marcil, Sevigny, Jakob, Tessier, Chevet, Menard, Bergeron, Thomas: "The heterodimeric structure of glucosidase II is required for its activity, solubility, and localization in vivo." in: **Glycobiology**, Vol. 10, Issue 8, pp. 815-27, (2000) (PubMed).<br><br>Ophoff, Terwindt, Vergouwe, van Eijk, Mohrenweiser, Litt, Hofker, Haan, Ferrari, Frants: "A 3-Mb region for the familial hemiplegic migraine locus on 19p13.1-p13.2: exclusion of PRKCSH as a |

## Publications

candidate gene. Dutch Migraine Genetic Research Group." in: **European journal of human genetics : EJHG**, Vol. 4, Issue 6, pp. 321-8, (1997) (PubMed).

Sakai, Hirai, Minoshima, Kudoh, Fukuyama, Shimizu: "Isolation of cDNAs encoding a substrate for protein kinase C: nucleotide sequence and chromosomal mapping of the gene for a human 80K protein." in: **Genomics**, Vol. 5, Issue 2, pp. 309-15, (1989) (PubMed).

## Images




**SDS-PAGE**

**Image 1.** Eukaryotic Translation Initiation Factor 1 (EIF1) (AA 1-113), (full length) protein (GST tag)