Datasheet for ABIN1047452

# COBRA1 Protein (AA 8-199, partial) (GST tag)

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## Overview

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| Quantity: | 100 µg |
| Target: | COBRA1 |
| Protein Characteristics: | AA 8-199, partial |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This COBRA1 protein is labelled with GST tag. |
| Application: | ELISA |

## Product Details

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| Sequence: | LGVANGEDLK ETLTNCTEPL KAIEQFQTEN GVLLPSLQSA LPFLDLHGTP RLEFHQSVFD ELRDKLLERV SAIASEGKAE ERYKKLEDLL EKSFSLVKMP SLQPVVMCVM KHLPKVPEKK LKLVMADKEL YRACAVEVKR QIWQDNQALF GDEVSPLLKQ YILEKESALF STELSVLHNF FSPSPKTRRQ GE |
| 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: | COBRA1 |
| Alternative Name: | Negative elongation factor B protein (COBRA1 Products) |

## Target Details

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| Background: | Essential component of the NELF complex, a complex that negatively regulates the elongation of transcription by RNA polymerase II. The NELF complex, which acts via an association with the DSIF complex and causes transcriptional pausing, is counteracted by the P-TEFb kinase complex. May be able to induce chromatin unfolding. |
| Molecular Weight: | 49.2 kD |
| UniProt: | Q8WX92 |

## 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

| | |
|---|---|
| Product cited in: | Burkard, Planyavsky, Kaupe, Breitwieser, Bürckstümmer, Bennett, Superti-Furga, Colinge: "Initial characterization of the human central proteome." in: **BMC systems biology**, Vol. 5, pp. 17, (2011 |

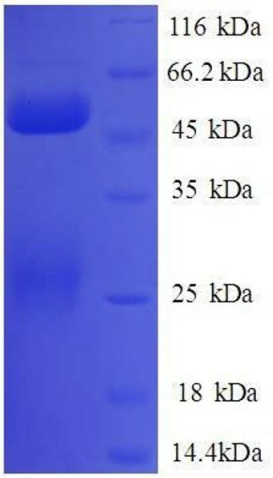
## Publications

) (PubMed).

Durand, Angeletti, Genti-Raimondi: "GTT1/StarD7, a novel phosphatidylcholine transfer protein-like highly expressed in gestational trophoblastic tumour: cloning and characterization." in: **Placenta**, Vol. 25, Issue 1, pp. 37-44, (2004) (PubMed).

Gerhard, Wagner, Feingold, Shenmen, Grouse, Schuler, Klein, Old, Rasooly, Good, Guyer, Peck, Derge, Lipman, Collins, Jang, Sherry, Feolo, Misquitta, Lee, Rotmistrovsky, Greenhut, Schaefer, Buetow et al.: "The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). ..." in: **Genome research**, Vol. 14, Issue 10B, pp. 2121-7, ( 2004) (PubMed).

## Images




**SDS-PAGE**

**Image 1.** Cofactor of BRCA1 (COBRA1) (AA 8-199), (partial) protein (GST tag)