

Datasheet for ABIN1047452

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



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Overview

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

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, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	90 %

Target Details

Target:	COBRA1
Alternative Name:	Negative elongation factor B protein (COBRA1 Products)

Target Details

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

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 modified 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

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

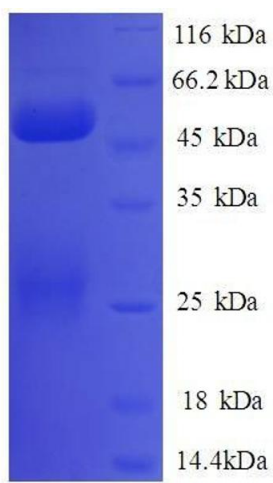
Product cited in: Ota, Suzuki, Nishikawa, Otsuki, Sugiyama, Irie, Wakamatsu, Hayashi, Sato, Nagai, Kimura, Makita, Sekine, Obayashi, Nishi, Shibahara, Tanaka, Ishii, Yamamoto, Saito, Kawai, Isono,

Publications

Nakamura, Nagahari et al.: "Complete sequencing and characterization of 21,243 full-length human cDNAs. ..." in: **Nature genetics**, Vol. 36, Issue 1, pp. 40-5, (2003) ([PubMed](#)).

Ye, Hu, Zhong, Nye, Belmont, Li: "BRCA1-induced large-scale chromatin unfolding and allele-specific effects of cancer-predisposing mutations." in: **The Journal of cell biology**, Vol. 155, Issue 6, pp. 911-21, (2001) ([PubMed](#)).

Images



SDS-PAGE

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