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Datasheet for ABIN1095762 UBE2I Protein (AA 1-157, partial) (GST tag)

1 Image

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Overview

Alternative Name:

100 µg
UBE2I
AA 1-157, partial
Human
Escherichia coli (E. coli)
Recombinant
This UBE2I protein is labelled with GST tag.
ELISA
MSGIALSRLA QERKAWRKDH PFGFVAVPTK NPDGTMNLMN WECAIPGKKG TPWEGGLFKL
RMLFKDDYPS SPPKCKFEPP LFHPNVYPSG TVCLSILEED KDWRPAITIK QILLGIQELL
NEPNIQDPAQ AEAYTIYCQN RVEYEKRVRA QAKKFAP
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.
cells or by baculovirus infection. Be aware about differences in price and lead time. 90 %
cells or by baculovirus infection. Be aware about differences in price and lead time. 90 %
cells or by baculovirus infection. Be aware about differences in price and lead time. 90 %

Background:	Accepts the ubiquitin-like proteins SUM01, SUM02, SUM03 and SUM04 from the UBLE1A-

SUMO-conjugating enzyme UBC9 protein (UBE2I Products)

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	UBLE1B E1 complex and catalyzes their covalent attachment to other proteins with the help of
	an E3 ligase such as RANBP2 or CBX4. Can catalyze the formation of poly-SUMO chains.
	Necessary for sumoylation of FOXL2 and KAT5. Essential for nuclear architecture and
	chromosome segregation.
Molecular Weight:	45.3 kD
UniProt:	P63279
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway, Regulation of Intracellular Steroid
	Hormone Receptor Signaling, Ubiquitin Proteasome Pathway

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 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

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

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Tachibana, Iwata, Watanabe, Nobukuni, Ploplis, Kajigaya: "Assignment of the gene for a ubiquitin-conjugating enzyme (UBE2I) to human chromosome band 16p13.3 by in situ hybridization." in: **Cytogenetics and cell genetics**, Vol. 75, Issue 4, pp. 222-3, (1997) (PubMed).

Watanabe, Fujiwara, Kawai, Shimizu, Takami, Hirano, Okuno, Ozaki, Takeda, Shimada, Nagata, Takaichi, Takahashi, Nakamura, Shin: "Cloning, expression, and mapping of UBE2I, a novel gene encoding a human homologue of yeast ubiquitin-conjugating enzymes which are critical for regulating the cell cycle." in: **Cytogenetics and cell genetics**, Vol. 72, Issue 1, pp. 86-9, (1996) (PubMed).

Yasugi, Howley: "Identification of the structural and functional human homolog of the yeast ubiquitin conjugating enzyme UBC9." in: **Nucleic acids research**, Vol. 24, Issue 11, pp. 2005-10, (1996) (PubMed).

Images



SDS-PAGE

Image 1. Ubiquitin-Conjugating Enzyme E2I (UBE2I) (AA 1-157), (partial) protein (GST tag)

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