

Datasheet for ABIN1095762

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



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Overview

Quantity:	100 µg
Target:	UBE2I
Protein Characteristics:	AA 1-157, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This UBE2I protein is labelled with GST tag.
Application:	ELISA

Product Details

Sequence:	MSGIALSRLA QERKAWRKDH PFGFVAVPTK NPDGTMNLMN WECAIPGKKG TPWEGGLFKL RMLFKDDYPS SPPKCKFEPP LFHPNVYPSG TVCLSILEED KDWRPAITIK QILLGIQELL NEPNIQDPAQ AEAYTIYCQN RVEYEKRVRA QAKKFAP
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:	UBE2I
Alternative Name:	SUMO-conjugating enzyme UBC9 protein (UBE2I Products)
Background:	Accepts the ubiquitin-like proteins SUMO1, SUMO2, SUMO3 and SUMO4 from the UBE1A-

Target Details

	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 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

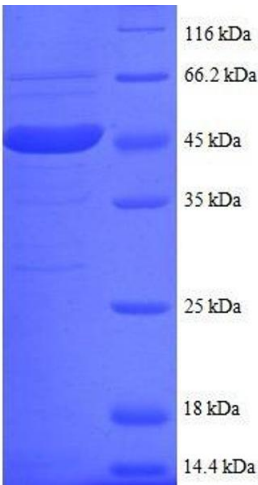
Product cited in: Olsen, Blagoev, Gnad, Macek, Kumar, Mortensen, Mann: "Global, in vivo, and site-specific phosphorylation dynamics in signaling networks." in: **Cell**, Vol. 127, Issue 3, pp. 635-48, (2006) ([PubMed](#)).

Beausoleil, Jedrychowski, Schwartz, Elias, Villén, Li, Cohn, Cantley, Gygi: "Large-scale characterization of HeLa cell nuclear phosphoproteins." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 101, Issue 33, pp. 12130-5, (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](#)).

Nagase, Seki, Ishikawa, Ohira, Kawarabayasi, Ohara, Tanaka, Kotani, Miyajima, Nomura: "Prediction of the coding sequences of unidentified human genes. VI. The coding sequences of 80 new genes (KIAA0201-KIAA0280) deduced by analysis of cDNA clones from cell line KG-1 and brain." in: **DNA research : an international journal for rapid publication of reports on genes and genomes**, Vol. 3, Issue 5, pp. 321-9, 341-54, (1997) ([PubMed](#)).

Images



SDS-PAGE

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