Datasheet for ABIN1692025

UBE2I Protein (AA 1-158) (GST tag)

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Overview

Quantity:	50 µg
Target:	UBE2I
Protein Characteristics:	AA 1-158
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This UBE2I protein is labelled with GST tag.

Product Details

Purpose:	Recombinant Human Ubiquitin-Conjugating Enzyme E2 I/UBE2I (N-GST)
Sequence:	MSPILGYWKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIPQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD LVPRGSHMSG IALSRLAQER KAWRKDHPFG FVAVPTKNPD GTMNLMNWEC AIPGKKGTPW EGGLFKLRML FKDDYPSSPP KCKFEPPLFH PNVYPSGTVC LSILEEDKDW RPAITIKQIL LGIQELLNEP NIQDPAQAEA YTIYCQNRVE YEKRVRAQAK KFAPS
Characteristics:	Recombinant Human Ubiquitin-Conjugating Enzyme E2 I/UBE2I is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Ser158) of Human UBE2I fused with a GST tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

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Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	UBE2I
Alternative Name:	UBE2I (UBE2I Products)
Sub Type:	Fusionprotein
Background:	SUMO-Conjugating Enzyme UBC9 (UBC9) belongs to the ubiquitin-conjugating enzyme family. UBC9 is homologous to ubiquitin-conjugating enzymes (E2s). However, instead of conjugating ubiquitin, UBC9 conjugates a ubiquitin homologue, Small Ubiquitin-Like Modifier 1 (SUMO-1). The conjugation of ubiquitin requires the activities of ubiquitin-activating (E1) and conjugating (E2) enzymes. It is suggested that UBC9 might play a role in DNA repair and perhaps even in aging. Alternative Names: SUMO-Conjugating Enzyme UBC9, SUMO-Protein Ligase, Ubiquitin Carrier Protein 9, Ubiquitin Carrier Protein I, Ubiquitin-Conjugating Enzyme E2 I, Ubiquitin-Protein Ligase I, p18, UBE2I, UBC9, UBCE9
Molecular Weight:	44.4 kDa
UniProt:	P63279
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway, Regulation of Intracellular Steroid Hormone Receptor Signaling, Ubiquitin Proteasome Pathway

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Supplied as a 0.2 µm filtered solution of 50 mM HEPES, 150 mM NaCl, pH 7.5.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Handling

Storage:	-80 °C
Storage Comment:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Expiry Date:	6 months

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