Datasheet for ABIN7319148

UBE2G2 Protein (GST tag)

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Overview

Quantity:	50 µg
Target:	UBE2G2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This UBE2G2 protein is labelled with GST tag.

Product Details

Purpose:	Recombinant Human UBE2G2 Protein (GST Tag)
Sequence:	Met 1-Leu165
Characteristics:	Recombinant Human Ubiquitin-Conjugating Enzyme E2 G2 is produced by our E.coli expression system and the target gene encoding Met1-Leu165 is expressed with a GST tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	UBE2G2
Alternative Name:	UBE2G2 (UBE2G2 Products)
Background:	Background: Ubiquitin-Conjugating Enzyme E2 G2 (UBE2G2) is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation, which belong to the

Target Details

	ubiquitin-conjugating enzyme family. It shares 60 % and 100 % sequence identity with S.cerevisiae Ubc7 and mouse respectively. The UBE2G2 enzyme and the GP78 E3 ligase are active components of endoplasmic reticulum-associated degradation pathway which is essential for the degradation of misfolded ER proteins. The mechanism of K48-linked poly-ubiquitination by UBE2G2/GP78 appears to involve the transfer of preassembled Ub chains from UBE2G2 to lysine residues in a substrate. The E2 and E3 enzymes form a large hetero-oligomer which brings multiple UBE2G2 Molecules into close proximity which allows for Ub transfer between neighboring E2s. Synonym: Ubiquitin-Conjugating Enzyme E2 G2, Ubiquitin Carrier Protein G2, Ubiquitin-Protein Ligase G2, UBE2G2
Molecular Weight:	45.0 kDa
UniProt:	P60604

Application Details

Restrictions:	For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 50 mM HEPES, 150 mM NaCl, 2 mM DTT, 10 % Glycerol, pH 7.5.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.