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Datasheet for ABIN1097724

**UBE2H Protein (AA 1-183) (GST tag)**

## Overview

Quantity:	50 µg
Target:	UBE2H
Protein Characteristics:	AA 1-183
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This UBE2H protein is labelled with GST tag.

## Product Details

Purpose:	Recombinant Human Ubiquitin-Conjugating Enzyme E2 H/UBE2H (N-GST)
Sequence:	<p>MSPILGYWKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID</p> <p>GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV</p> <p>DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK</p> <p>KRIEAIQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD LVPRGSHMSS PSPGKRRMDT</p> <p>DVVKLIESKH EVTILGGLNE FVVKFYGPQG TPYEGGVWKV RVDLPDKYPF KPSIGFMNK</p> <p>IFHPNIDEAS GTVCLDVINQ TWTALYDLTN IFESFLPQLL AYPNPIDPLN GDAAAMYLHR</p> <p>PEEYKQKIKE YIQKYATEEA LKEQEEGTGD SSESSEMSDF SEDEAQDMEL</p>
Characteristics:	Recombinant Human Ubiquitin-Conjugating Enzyme E2 H/UBE2H is produced by E. coli expression system. The target protein is expressed with sequence (Met1-Leu183) of Human UBE2H fused with a GST tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

## 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:	UBE2H
Alternative Name:	Ubiquitin-Conjugating Enzyme E2 H/UBE2H ( <a href="#">UBE2H Products</a> )
Sub Type:	Fusionprotein
Background:	<p>Ubiquitin-Conjugating Enzyme E2 H (UBE2H) belongs to the E2 Ubiquitin-Conjugating Enzyme family. The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. It has been shown to conjugate ubiquitin to histone H2A in an E3 dependent manner in vitro. UBE2H is the human homolog to the yeast DNA repair gene RAD6, which is induced by DNA damaging reagents. UBE2H has been associated with cancer-induced cachexia and with the regulation of sepsis-induced muscle proteolysis.</p> <p>Alternative Names: Ubiquitin-Conjugating Enzyme E2 H, Ubch2, Ubiquitin Carrier Protein H, Ubiquitin-Conjugating Enzyme E2-20K, Ubiquitin-Protein Ligase H, UBE2H</p>
Molecular Weight:	47 kDa
UniProt:	<a href="#">P62256</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 50 mM HEPES, 150 mM NaCl, 2 mM DTT, 10 % Glycerol, pH 7.5.
Preservative:	Dithiothreitol (DTT)

## Handling

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Precaution of Use:	This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
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Storage:	-80 °C
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Storage Comment:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
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Expiry Date:	6 months
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