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Datasheet for ABIN2115460
UBE2D1 Protein (AA 1-147) (GST tag)

Overview

Quantity:	50 µg
Target:	UBE2D1
Protein Characteristics:	AA 1-147
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This UBE2D1 protein is labelled with GST tag.

Product Details

Purpose:	Recombinant Human Ubiquitin-Conjugating Enzyme E2 D1/UBE2D1/UbcH5a (N-GST)
Sequence:	MSPILGYWKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV DFLSKLP EML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIQID KYLKSSKYIA WPLQGQWQATF GGGDHPPKSD LVPRGSMALK RIQKELSDLQ RDPPAHCSAG PVGDDLFWHQ ATIMGPPDSA YQGGVFFLTV HFPTDYPFKP PKIAFTTKIY HPNINSNGSI CLDILRSQWS PALTVSKVLL SICSLLCDPN PDDPLVPDIA QIYKSDKEY NRHAREWTQK YAM
Characteristics:	Recombinant Human Ubiquitin-conjugating enzyme E2 D1 is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Met147) of Human UBE2D1 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:	UBE2D1
Alternative Name:	Ubiquitin-Conjugating Enzyme E2 D1 (UBE2D1 Products)
Background:	<p>Ubiquitin-conjugating enzyme E2 D1(UBE2D1)belongs to the ubiquitin-conjugating enzyme family. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This enzyme is closely related to a stimulator of iron transport (SFT), and is up-regulated in hereditary hemochromatosis. It also functions in the ubiquitination of the tumor-suppressor protein p53 and the hypoxia-inducible transcription factor HIF1 alpha by interacting with the E1 ubiquitin-activating enzyme and the E3 ubiquitin-protein ligases.</p> <p>Synonyms: Ubiquitin-conjugating enzyme E2 D1,Stimulator of Fe transport,SFT,UBC4/5 homolog,UbcH5,Ubiquitin carrier protein D1,Ubiquitin-conjugating enzyme E2(17)KB 1,Ubiquitin-conjugating enzyme E2-17 kDa 1,Ubiquitin-protein ligase D1,SFT, UBC5A, UBCH5, UBCH5A</p>
Molecular Weight:	42.9 kDa
UniProt:	P51668
Pathways:	Activation of Innate immune Response , Toll-Like Receptors Cascades

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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:	Lyophilized from a 0.2 µm filtered solution of 50 mM HEPES,150 mM NaCl,2 mM DTT,10 % Glycerin pH 7.5.
Preservative:	Dithiothreitol (DTT)

Handling

Precaution of Use:	This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.