

Product datasheet for PH307283

OriGene Technologies, Inc.

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UBE2D2 (NM_181838) Human Mass Spec Standard

Product data:

Product Type: Mass Spec Standards

Description: UBE2D2 MS Standard C13 and N15-labeled recombinant protein (NP_862821)

Species:HumanExpression Host:HEK293

Expression cDNA Clone

RC207283

or AA Sequence: Predicted MW:

13.5 kDa

Protein Sequence: >RC207283 representing NM_181838

Red=Cloning site Green=Tags(s)

MALKRIHKELNDLARDPPAQCSAGPVGDDMFHWQATIMGPNDSPYQGGVFFLTIHFPTDYPFKPPKVAFT TRIYHPNINSNGSICLDILRSQWSPALTISKVLLSICSLLCDPNPDDPLVPEIARIYKTDREKYNRIARE

WTQKYAM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Concentration: $>0.05 \mu g/\mu L$ as determined by microplate BCA method

Labeling Method: Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3

Storage: Store at -80°C. Avoid repeated freeze-thaw cycles.

Stability: Stable for 3 months from receipt of products under proper storage and handling conditions.

RefSeq: NP 862821

RefSeq Size: 2879 RefSeq ORF: 441

Synonyms: E2(17)KB2; PUBC1; UBC4; UBC4/5; UBCH4; UBCH5B

Locus ID: 7322 UniProt ID: <u>P62837</u>





Cytogenetics:

5q31.2

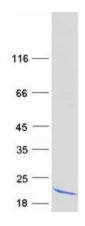
Summary:

Regulated degradation of misfolded, damaged or short-lived proteins in eukaryotes occurs via the ubiquitin (Ub)-proteasome system (UPS). An integral part of the UPS system is the ubiquitination of target proteins and covalent linkage of Ub-containing proteins to form polymeric chains, marking them as targets for 26S proteasome-mediated degradation. Ubiquitination of proteins is mediated by a cascade of enzymes which includes E1 (ubiquitin activating), E2 (ubiquitin conjugating), and E3 (ubiquitin ligases) enzymes. This gene encodes a member of the E2 enzyme family. Substrates of this enzyme include the tumor suppressor protein p53 and peroxisomal biogenesis factor 5 (PEX5). Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, May 2013]

Protein Pathways:

Ubiquitin mediated proteolysis

Product images:



Coomassie blue staining of purified UBE2D2 protein (Cat# [TP307283]). The protein was produced from HEK293T cells transfected with UBE2D2 cDNA clone (Cat# [RC207283]) using MegaTran 2.0 (Cat# [TT210002]).