

Product datasheet for PH301159

OriGene Technologies, Inc.

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UBE2G1 (NM_003342) Human Mass Spec Standard

Product data:

Product Type: Mass Spec Standards

Description: UBE2G1 MS Standard C13 and N15-labeled recombinant protein (NP_003333)

Species:HumanExpression Host:HEK293

Expression cDNA Clone

RC201159

or AA Sequence: Predicted MW:

19.3 kDa

Protein Sequence: >RC201159 representing NM_003342

Red=Cloning site Green=Tags(s)

MTELQSALLLRRQLAELNKNPVEGFSAGLIDDNDLYRWEVLIIGPPDTLYEGGVFKAHLTFPKDYPLRPPKMKFITEIWHPNVDKNGDVCISILHEPGEDKYGYEKPEERWLPIHTVETIMISVISMLADPNGDSPANVD

AAKEWREDRNGEFKRKVARCVRKSQETAFE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

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

Concentration: >0.05 µg/µL 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 003333

RefSeq Size: 4208 RefSeq ORF: 510

Synonyms: E217K; UBC7; UBE2G

Locus ID: 7326 UniProt ID: P62253



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Cytogenetics: 17p13.2

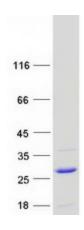
Summary: The modification of proteins with ubiquitin is an important cellular mechanism for targeting

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. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family and catalyzes the covalent attachment of ubiquitin to other proteins. The protein may be involved in degradation of muscle-specific proteins. [provided

by RefSeq, Jul 2008]

Protein Pathways: Parkinson's disease, Ubiquitin mediated proteolysis

Product images:



Coomassie blue staining of purified UBE2G1 protein (Cat# [TP301159]). The protein was produced from HEK293T cells transfected with UBE2G1 cDNA clone (Cat# [RC201159]) using MegaTran 2.0 (Cat# [TT210002]).