**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for AR39014PU-L

## UBE2D1 / SFT (1-147, His-tag) Human Protein

### Product data:

| | |
|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | UBE2D1 / SFT (1-147, His-tag) human recombinant protein, 0.5 mg |
| **Species:** | Human |
| **Expression Host:** | E. coli |
| **Expression cDNA Clone or AA Sequence:** | MGSSHHHHHH SSGLVPRGSH MGSMALKRIQ KELSDLQRDP PAHCSAGPVG DDLFHWQATI MGPPDSAYQG GVFFLTVHFP TDYPFKPPKI AFTTKIYHPN INSNGSICLD ILRSQWSPAL TVSKVLLSIC SLLCDPNPDD PLVPDIAQIY KSDKEKYNRH AREWTQKYAM |
| **Tag:** | His-tag |
| **Concentration:** | lot specific |
| **Purity:** | >95% |
| **Buffer:** | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.1M NaCl |
| **Preparation:** | Liquid purified protein |
| **Protein Description:** | Recombinant human UBE2D1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. |
| **Storage:** | Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: one year from despatch. |
| **RefSeq:** | NP_001191809 |
| **Locus ID:** | 7321 |
| **UniProt ID:** | A0A087WW00 |
| **Cytogenetics:** | 10q21.1 |
| **Synonyms:** | E2(17)KB1; SFT; UBC4/5; UBCH5; UBCH5A |

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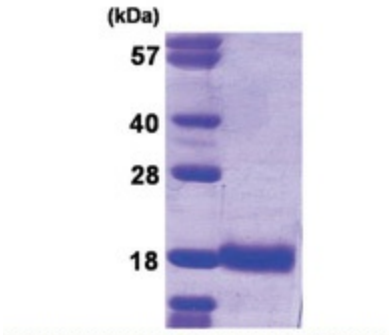
**Summary:** The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. 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 HIF1alpha by interacting with the E1 ubiquitin-activating enzyme and the E3 ubiquitin-protein ligases. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2011]

**Protein Pathways:** Ubiquitin mediated proteolysis

## Product images:




15% SDS-PAGE (3ug)