

Product datasheet for **TP721188L**

UBE2D1 (NM_003338) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Human ubiquitin-conjugating enzyme E2D 1 (UBE2D1), transcript variant 1 |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | Met1-Met147 |
| Tag: | N-GST |
| Predicted MW: | 42.9 kDa |
| Concentration: | lot specific |
| Purity: | >95% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl |
| Endotoxin: | Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg) |
| Storage: | Store at -80°C. |
| Stability: | Stable for at least 6 months from date of receipt under proper storage and handling conditions. |
| RefSeq: | NP_003329 |
| Locus ID: | 7321 |
| UniProt ID: | P51668 , A0A024QZJ2 |
| RefSeq Size: | 2669 |
| Cytogenetics: | 10q21.1 |
| RefSeq ORF: | 441 |
| Synonyms: | E2(17)KB1; SFT; UBC4/5; UBCH5; UBCH5A |



[View online »](#)

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