

## UB2Q1 Protein, Human (His, Strep)

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|-------------------|---|
| Cat. No.:         | HY-P701491  |
| Synonyms:         | UBE2Q1; Ubiquitin-conjugating enzyme E2 Q1; E2 ubiquitin-conjugating enzyme Q1; Protein NICE-5; Ubiquitin carrier protein Q1; Ubiquitin-protein ligase Q1 |
| Species:          | Human   |
| Source:           | E. coli   |
| Accession:        | Q7Z7E8 (Q2-G422)  |
| Gene ID:          | 55585   |
| Molecular Weight: |   |

### PROPERTIES

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|---------------------|--|
| Appearance          | Solution.  |
| Formulation         | Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.   |
| Endotoxin Level     | <1 EU/µg, determined by LAL method.  |
| Reconstitution      | Please use rapid thawing with running water to thaw the protein.   |
| Storage & Stability | Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles. |
| Shipping            | Shipping with dry ice.   |

### DESCRIPTION

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| Background | UB2Q1, also known as ubiquitin-conjugating enzyme E2 Q1, is a protein that catalyzes the covalent attachment of ubiquitin to other proteins, playing a crucial role in ubiquitin-mediated proteolysis. This enzymatic activity is essential for regulating the degradation of specific proteins, influencing various cellular processes. Beyond its ubiquitination function, UB2Q1 may be involved in hormonal homeostasis in females, suggesting potential roles in endocrine regulation. Additionally, UB2Q1 is implicated in the regulation of cell surface expression of B4GALT1, a glycosyltransferase, affecting cell adhesion to laminin and embryoid body formation. These findings underscore UB2Q1's versatility in participating in diverse cellular processes, ranging from ubiquitin-mediated protein degradation to hormonal homeostasis and cell adhesion. |
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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