



# Certificate of Analysis

## USP21 Protein, Human

|                   |                        |
|-------------------|------------------------|
| Cat. No.:         | HY-P701441             |
| Batch No.:        | 390757                 |
| Species:          | Human                  |
| Source:           | <i>E. coli</i>         |
| Tag:              | Tag Free               |
| Accession:        | Q9UK80 (P2-L565)       |
| Gene ID:          | 27005                  |
| Molecular Weight: | Approximately 62.9 kDa |

### ANALYTICAL DATA

| TEST                | Specifications  | Results |
|---------------------|---|---------|
| Purity              | Greater than 90% as determined by reducing SDS-PAGE.  | 91.00%  |
| Endotoxin Level     | <1 EU/μg, determined by LAL method.   | PASS    |
| Biological Activity | The fundamental role of USP21 is specific removal of ubiquitin from substrates. USP21 catalyses the ubiquitin from the substrate Ub-Rho110 to release fluorophores. Rho110 will release 535 nM emission light under the excitation condition of 485 nM. The signal of which can be quickly and reliably captured using a microplate reader. | PASS    |
| Appearance          | Solution  |         |
| Concentration       | 0.9 mg/mL   |         |
| Reconstitution      | N/A.  |         |
| 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   |         |

**Caution: Product has not been fully validated for medical applications. For research use only.**

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