

## Ubiquitin Carboxyl-Terminal Esterase L5 Human Recombinant

|  |   |
|--|---|
| <b>Item Number</b>                       | rAP-2070  |
| <b>Synonyms</b>                          | Ubiquitin Carboxyl-terminal Hydrolase L5, UCH37, CGI-70, UCH-L5, INO80R, Ubiquitin thioesterase L5, INO80 complex subunit R, EC 3.4.19.12, Ubiquitin Carboxyl-terminal Esterase L5.   |
| <b>Description</b>                       | UCHL5 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 349 amino acids (1-329 a.a.) and having a molecular mass of 39.7 kDa. UCHL5 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.   |
| <b>Uniprot Accession Number</b>          | Q9Y5K5  |
| <b>Amino Acid Sequence</b>               | MGSSHHHHHHSSGLVPRGSH MTGNAGEWCL MESDPGVFTE LIKGFGCRGA QVEEIWSLEP EN-<br>FEKLKPVH GLIFLFKWQP GEEPAGSVVQ DSRLDTIFFA KQVINNACAT QAIVSVLLNC THQDVHLGET<br>LSEFKEFSQS FDAAMKGLAL SNSDVIRQVH NSFARQQMFE FDTKTSAKEE DAFHFVSYVP VNGRLY-<br>ELDG LREGPIDLGA CNQDDWISAV RPVIEKRIQK YSEGEIRFNL MAIVSDRKMI YEQKIAELQR<br>QLAEEEPMDT DQGNSMLSAI QSEVAKNQML IEEEVQKLKR YKINIIRRKH NYLPFIMELL KTLAEHQQLI<br>PLVEKAKEKQ NAKKAQETK |
| <b>Source</b>                            | Escherichia Coli.   |
| <b>Physical Appearance and Stability</b> | Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.   |
| <b>Formulation and Purity</b>            | The UCHL5 protein solution (0.5mg/ml) is formulated in 20mM Tris-HCl buffer (pH8.0), 5mM DTT, 200mM NaCl, 0.1mM PMSF, 2mM EDTA and 30% glycerol. Greater than 90% as determined by SDS-PAGE.  |
| <b>Application</b>                       |   |
| <b>Solubility</b>                        |   |
| <b>Biological Activity</b>               | Specific activity: > 500 pmole/min/ug. Measured by the hydrolysis of Ubiquitin-AMC at pH 8.0, at 37°C.  |
| <b>Shipping Format and Condition</b>     | Lyophilized powder at room temperature.   |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**