

## Recombinant Human Ubiquitin-Like 5, His-tagged

**Cat. No.** UBL5-82H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant humanUBL5 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | Human                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | UBL5, also known as ubiquitin-like protein 5, is thought to be a reversible modulator of protein function rather than protein degraders like ubiquitin. This protein effects a nuclear step required for mounting a response to the threat of mitochondrial protein misfolding. |
| <b>Concentration</b>    | 0.5 mg/ml                                                                                                                                                                                                                                                                       |
| <b>Form</b>             | Supplied as a liquid in 20mM Tris-HCl buffer, pH 8.0, containing 20% glycerol, 0.1M NaCl and 2mM DTT.                                                                                                                                                                           |
| <b>Purity</b>           | > 90% by SDS -PAGE                                                                                                                                                                                                                                                              |
| <b>Sequence</b>         | 1-73 amino acids: MGSSHHHHHH SSGLVPRGSH MIEVVCNDRL GKKVRVKCNT DDTIGDLKKL IAAQTGTRWN KIVLKKWYTIFKDHVSLGDY EIHDGMNLEL YYQ                                                                                                                                                         |
| <b>Molecular Mass</b>   | 10.7 kDa(93aa), confirmed by MALDI-TOF.                                                                                                                                                                                                                                         |
| <b>Applications</b>     | SDS-PAGE                                                                                                                                                                                                                                                                        |

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| <b>Storage</b>             | Store at 4 deg C for short term storage (1/2 weeks). Aliquot and store at -20 deg C or -70 deg C for long term storage. Avoid repeated freeze/thaw cycles. |
| <b>Official Symbol</b>     | UBL5                                                                                                                                                       |
| <b>GENE INFORMATION</b>    |                                                                                                                                                            |
| <b>Gene Name</b>           | UBL5 ubiquitin-like 5 [ Homosapiens ]                                                                                                                      |
| <b>Synonyms</b>            | UBL5; ubiquitin-like 5; HUB1; FLJ46917; MGC131795; ubiquitin-like protein 5                                                                                |
| <b>Gene ID</b>             | 59286                                                                                                                                                      |
| <b>mRNA Refseq</b>         | NM_001048241                                                                                                                                               |
| <b>Protein Refseq</b>      | NP_001041706                                                                                                                                               |
| <b>MIM</b>                 | 606849                                                                                                                                                     |
| <b>UniProt ID</b>          | Q9BZL1                                                                                                                                                     |
| <b>Chromosome Location</b> | 19p13.3                                                                                                                                                    |
| <b>Function</b>            | Molecular function                                                                                                                                         |

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