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Datasheet for ABIN1097751 UCHL3 Protein (AA 1-230) (His tag)

Overview

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| Quantity: | 50 µg |
| Target: | UCHL3 (Uchl3) |
| Protein Characteristics: | AA 1-230 |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This UCHL3 protein is labelled with His tag. |

Product Details

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| Purpose: | Recombinant Human Ubiquitin Carboxyl-Terminal Hydrolase Isozyme L3/UCH-L3 (C-6His) |
| Sequence: | MEGQRWLPLE ANPEVTNQFL KQLGLHPNWQ FVDVYGM DPE LLSMVPRPVC AVLLLPITE KYEVFRTEEE EKIKSQGQDV TSSVYFMKQT ISNACGTIGL IHAIAN NKDK MHFESGSTLK KFLEESVSMS PEERARYLEN YDAIRVTHET SAHEGQTEAP SIDEKVDLHF IALVHVDGHL YELDGRKPFP INHGETSDET LLEDAIEVCK KFMERDPDEL RFNAIALSAA LEHHHHHHH |
| Characteristics: | Recombinant Human Ubiquitin Carboxyl-Terminal Hydrolase Isozyme L3/UCH-L3 is produced by our E. coli expression system. The target protein is expressed with sequence (Met1-Ala230) of Human UCH-L3. |
| Purity: | > 95 % as determined by reducing SDS-PAGE. |
| Sterility: | 0.2 µm filtered |
| Endotoxin Level: | Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test |

Target Details

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|-------------------|--|
| Target: | UCHL3 (Uchl3) |
| Alternative Name: | uch-l3 (Uchl3 Products) |
| Background: | <p>Ubiquitin Carboxyl-Terminal Hydrolases (UCHs) are a family of cysteine hydrolases. They catalyze the hydrolysis of amides, thioesters and esters, peptide and isopeptide bonds formed by the C-terminal Gly of ubiquitin. Up regulation of UCHL3 is associated with uterine cervical neoplasms. UCHL3 is implicated in age related cognitive disorders. UCHL3 also promotes adipogenesis and insulin signaling. In mice, UCHL3 knockout have been shown to be resistant to diet-induced obesity.</p> <p>Alternative Names: Ubiquitin Carboxyl-Terminal Hydrolase Isozyme L3, UCH-L3, Ubiquitin Thioesterase L3, UCHL3</p> |
| Molecular Weight: | 27.25 kDa |
| UniProt: | P15374 |
| Pathways: | Feeding Behaviour , Positive Regulation of fat Cell Differentiation |

Application Details

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| Restrictions: | For Research Use only |
| Handling | |
| Format: | Liquid |
| Reconstitution: | <p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p> |
| Buffer: | Supplied as a 0.2 µm filtered solution of 50 mM TrisHCl, 150 mM NaCl, 1 mM DTT, 50 % Glycerol, pH 8.0. |
| Preservative: | Dithiothreitol (DTT) |
| Precaution of Use: | This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. |
| Storage: | -80 °C |
| Storage Comment: | <p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p> |

Handling

Expiry Date: 6 months