Recombinant Human ubiquitin carboxyl-terminal hydrolase L5, His-tagged

Cat. No. UCHL5-690H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	UCHL5, 1-329aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-329 a.a.
Description	Ubiquitin carboxyl-terminal hydrolase isozyme L5 (UCHL5) belongs to the peptidase C12 family. This protein is protease that specifically cleaves "Lys-48"-linked polyubiquitin chains, and deubiquitinating enzyme associated with the 19S regulatory subunit of the 26S proteasome. Recombinant human UCHL5 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 5mM DTT, 30% glycerol, 200mM NaCl, 0.1mM PMSF, 2mM EDTA
Molecular Mass	39.7kDa (349aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MTGNAGEWCL MESDPGVFTE LIKGFGCRGA QVEEIWSLEP ENFEKLKPVH GLIFLFKWQP GEEPAGSVVQ DSRLDTIFFA KQVINNACAT QAIVSVLLNC THQDVHLGET LSEFKEFSQS FDAAMKGLAL SNSDVIRQVH NSFARQQMFE FDTKTSAKEE DAFHFVSYVP VNGRLYELDG

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	LREGPIDLGA CNQDDWISAV RPVIEKRIQK YSEGEIRFNL MAIVSDRKMI YEQKIAELQR QLAEEEPMDT DQGNSMLSAI QSEVAKNQML IEEEVQKLKR YKIENIRRKH NYLPFIMELL KTLAEHQQLI PLVEKAKEKQ NAKKAQETK
Purity	>90% by SDS - PAGE
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.5mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	UCHL5 ubiquitin carboxyl-terminal hydrolase L5 [Homo sapiens]
Official Symbol	UCHL5
Synonyms	UCHL5; ubiquitin carboxyl-terminal hydrolase L5; ubiquitin carboxyl-terminal hydrolase isozyme L5; CGI 70; INO80 complex subunit R; INO80R; UCH37; ubiquitin thioesterase L5; ubiquitin C-terminal hydrolase UCH37; ubiquitin carboxyl-terminal esterase L5; CGI-70; UCH-L5;
Gene ID	51377
mRNA Refseq	NM_001199261
Protein Refseq	NP_001186190
MIM	610667
UniProt ID	Q9Y5K5

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Chromosome Location	1q32
Function	cysteine-type peptidase activity; endopeptidase inhibitor activity; omega peptidase activity; peptidase activity; proteasome binding; protein binding; ubiquitin thiolesterase activity; ubiquitin-specific protease activity;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA