

UCHL5, 1-329aa, Human, His tag, E.coli

Cat.NO.: TP04412

3th Edition

Synonyms:Ubiquitin carboxyl-terminal hydrolase isozyme L5, Ubiquitin carboxyl-terminal hydrolase isozyme L5, UCH37, UCH-L5, AD-019, CGI-70, INO80R, INO80 complex subunit R

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 Weight:39.7kDa (349aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMTGNAGEWCLMESDPGVFTELIKGFGRGAQVEEIWSLEPENFEKLPVHGLIFL
FKWQPGEEPAGSVVQDSRLDTIFFAKQVINNACATQAIIVSVLLNCTHQDVHLGETLSEFKFSQSFDAAMKGLALS
NSDVIRQVHNSFARQQMFEDTKTSAKEEDAFHFVSYVPVNGRLYELDGLREGPIDLGACNQDDWISAVRPVIEKRI
QKYSEGEIRFNLMAIVSDRKMIEYEQKIAELQRQLAEEEPMDTDQGNMLSAIQSEVAKNQMLIEEEVQKLKRYKIENI
RRKHNYLPFIMELLKTLAEHQQLIPLVEKAKEKQNAKKAQETK

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.