

32-2907: UCHL5 Recombinant Protein

Alternative Name : 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.

Description

Source : Escherichia Coli. UCHL5 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 349 amino acids (1-329a.a.) and having a molecular mass of 39.7kDa. UCHL5 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. UCHL5 is a member of the peptidase C12 family. UCHL5 protein is a protease that specifically cleaves 'Lys-48'-linked polyubiquitin chains, and deubiquitinating enzyme related to the 19S regulatory subunit of the 26S proteasome.

Product Info

Amount : 20 µg

Purification : Greater than 90% as determined by SDS-PAGE.

Content : 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.

Storage condition : 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 it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid : MGSSHHHHHHSSGLVPRGSH MTGNAGEWCL MESDPGVFTE LIKGFGCRGA QVEEWSLEP
ENFEKLKPVH GLIFLKWQP GEEPAGSVVQ DSRLDTIFFA KQVINNACAT QAIVSVLLNC
THQDVHLGET LSEFKEFSQS FDAAMKGLAL SNSDVIRQVH NSFARQQMFE FDTKTSKEE
DAFHVSYVP VNGRLYELDGL REGPIDLGA CNQDDWISAV RPVIEKRIQK YSEGEIRFNL
MAIVSDRKMI YEQKIAELQR QLAEPEPMDT DQGNSMLSAI QSEVAKNQML IEEVQKLKR
YKIEIIRRKH NYLPFIMELL KTLAEHQQLI PLVEKAKEKQ NAKKAQETK

Application Note

Specific activity: > 500 pmole/min/ug. Measured by the hydrolysis of Ubiquitin-AMC at pH 8.0, at 37°C.

