

UCHL3 Mouse Recombinant

CATALOG NO:	P1068-10 10 µg P1068-50 50 µg
ALTERNATE NAMES:	Ubiquitin carboxyl-terminal hydrolase isozyme L3, Uchl3, Ubiquitin carboxyl-terminal esterase L3, Ubiquitin thioesterase L3
CONCENTRATION:	0.5 mg/ml (determined by Absorbance at 280nm)
SOURCE:	Baculovirus (Insect cell) expressed recombinant UCHL3 protein, fused to His-tag at C-terminus (1-230aa).
PURITY:	> 90% by SDS-PAGE
MOL. WEIGHT:	This protein is fused with 6x His tag at C terminus and the protein has a calculated MW of 27.2 kDa (238aa). The protein migrates as 28-40 kDa in SDS-PAGE under reducing conditions.
ENDOTOXIN LEVEL:	< 1.0 EU per 1µg of protein (determined by LAL method)
FORM:	Liquid
FORMULATION:	In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol
STORAGE CONDITIONS:	Store at +4°C for short term (1-2 weeks). For long term storage, aliquot and store at -70°C. Avoid repeated freeze/thaw cycles.
SEQUENCE:	MEGQRWLPLE ANPEVTNQFL KQLGLHPNWQ FVDVYGMEPE LLSMVPRPVC AVLLLPITE KYEVFRTEEE EKIKSQGDV TSSVYFMKQT ISNACGTIGL IHAIANNKDK MHFESGSTLK KFLEESVSMS PEERAKFLEN YDAIRVTHET SAHEGQTEAP SIDEKVDLHF IALVHVDGHL YELDGRKPPF INHGKTSDET LLEDAIEVCK KFMERDPDEL RFNAIALSAA LEHHHHHH
DESCRIPTION:	Uchl3, as known as ubiquitin carboxyl-terminal hydrolase isozyme L3, is a member of the peptidase C12 family of deubiquitinating enzymes. It is widely expressed with the highest levels being observed in heart, testis, thymus and striated muscle. This protein is suggested to function in the central nervous system. In particular, it is involved in the maintenance of neurons of the gracile tract, nucleus tractus, solitarius, and area postrema, and in working memory. Recombinant mouse Uchl3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
BIOLOGICAL ACTIVITY:	Specific activity is > 9,000 pmol/min/mg, and is defined as the amount of enzyme that hydrolysis 1.0 pmole of ubiquitin-AMC per minute at pH 7.5, at 37C.

RELATED PRODUCT:

- Human Recombinant UCHL3 (**Cat. No. 6358-100**)
- UCHL1, human recombinant (**Cat. No. 4855-50**)
- Human recombinant UCHL1 (**Cat. No. 6306-100**)
- Human recombinant UCHL5 (**Cat. No. 6359-100**)
- LDN-57444 (**Cat. No. 2016-5, -25**)
- NSC-687852 (**Cat. No. 2012-5, -25**)
- TCID (**Cat. No. 2204-5, -25**)

FOR RESEARCH USE ONLY! Not to be used on humans.