



Human UCHL1 peptide (DAG-P1839)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene belongs to the peptidase C12 family. This enzyme is a thiol protease that hydrolyzes a peptide bond at the C-terminal glycine of ubiquitin. This gene is specifically expressed in the neurons and in cells of the diffuse neuroendocrine system. Mutations in this gene may be associated with Parkinson disease.[provided by RefSeq, Sep 2009]
Conjugate	Unconjugated
Sequence Similarities	Belongs to the peptidase C12 family.
Format	Liquid
Size	500 µg
Buffer	Supplied as a 0.2 µm filtered solution of 20 mM Tris-HCl, 250 mM NaCl, 1 mM DTT, 10% Glycerol, pH 7.5 or 20 mM Tris-HCl, 250 mM NaCl, 10% Trehalose, 0.05% Tween 80, 1mM TCEP, pH 8.5.
Preservative	None
Storage	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	UCHL1 ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase) [Homo sapiens (human)]
Official Symbol	UCHL1
Synonyms	UCHL1; ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase); NDGOA; PARK5;

PGP95; PGP9.5; Uch-L1; HEL-117; PGP 9.5; ubiquitin carboxyl-terminal hydrolase isozyme L1; ubiquitin thioesterase L1; epididymis luminal protein 117; neuron cytoplasmic protein 9.5; ubiquitin C-terminal hydrolase;

Entrez Gene ID	7345
mRNA Refseq	NM_004181.4
Protein Refseq	NP_004172.2
UniProt ID	P09936
Chromosome Location	4p14
Pathway	Alpha-synuclein signaling, organism-specific biosystem; Parkinsons disease, organism-specific biosystem; Parkinsons Disease Pathway, organism-specific biosystem; Proteasome Degradation, organism-specific biosystem;
Function	alpha-2A adrenergic receptor binding; cysteine-type endopeptidase activity; ligase activity; omega peptidase activity; protein binding; ubiquitin binding; ubiquitin thiolesterase activity; ubiquitin-specific protease activity;