



# MASCOT Search Results

## Protein View: UCHL1\_HUMAN

**Ubiquitin carboxyl-terminal hydrolase isozyme L1 OS=Homo sapiens  
GN=UCHL1 PE=1 SV=2**

**Database:** SwissProt  
**Score:** 82  
**Expect:** 0.00013  
**Monoisotopic mass (M<sub>r</sub>):** 25151  
**Calculated pI:** 5.33  
**Taxonomy:** Homo sapiens

Sequence similarity is available as [an NCBI BLAST search of UCHL1\\_HUMAN against nr.](#)

### Search parameters

**Enzyme:** Trypsin: cuts C-term side of KR unless next residue is P.  
**Fixed modifications:** Carbamidomethyl (C)  
**Variable modifications:** Oxidation (M)  
**Mass values searched:** 20  
**Mass values matched:** 9

### Protein sequence coverage: 30%

Matched peptides shown in **bold red**.

1 MQLKPMEINP EMLNKVLSRL **GVAGQWR**FVD VLGLEEEESLG SVPAPACALL  
 51 LLFPLTAQHE NFRKK**QIEEL** **KGQEVSPK**VY **FMK**QTIGNSC GTIGLIHAVA  
 101 NNQDKLGFED GSVLKQFLSE TEK**MSPED**RA KCFEK**NEAIQ** **AAHDAVAQEG**  
 151 **QCR**VDDKVNF HFILFNNVDG HLYELDGRMP FPNVNHGASSE DTLLKDAAKV  
 201 CR**EFTEREQG** **EVRFSAVALC** KAA

Unformatted sequence string: **223 residues** (for pasting into other applications).

Sort by ☒ residue number ☐ increasing mass ☐ decreasing mass  
 Show ☒ matched peptides only ☐ predicted peptides also

Start - End	Observed	Mr(expt)	Mr(calc)	Delta M	Peptide
20 - 27	886.3000	885.2927	885.4821	-0.1894 0	<b>R.LGVAGQWR.F</b>
66 - 78	1484.3500	1483.3427	1483.7882	-0.4455 1	<b>K.QIEELKGQEVSPK.V</b>
79 - 83	687.1400	686.1327	686.3462	-0.2134 0	<b>K.VYFMK.Q</b>
124 - 129	734.1300	733.1227	733.3065	-0.1837 0	<b>K.MSPEDR.A</b>
136 - 153	1967.4400	1966.4327	1966.8915	-0.4588 0	<b>K.NEAIQAAHDAVAQEGQCR.V</b>
203 - 207	681.1500	680.1427	680.3129	-0.1702 0	<b>R.EFTER.E</b>
203 - 207	681.8200	680.8127	680.3129	0.4998 0	<b>R.EFTER.E</b>
208 - 213	717.1800	716.1727	716.3453	-0.1726 0	<b>R.EQGEVR.F</b>
214 - 221	895.2400	894.2327	894.4633	-0.2306 0	<b>R.FSAVALCK.A</b>

**No match to:** 643.8900, 649.8800, 655.8600, 665.8500, 671.8400, 842.3200, 854.8300, 860.8200, 870.7300, 876.7900, 892.7400