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Data Sheet

UCHL3

Human, recombinant, N-terminal His-tag

Catalog #: 80353

Lot#: 100826 Conc.: 2.07 mg/ml

Formulated in: 45 mM Tris-HCl, pH 8.0, 124 mM NaCl, 2.4 mM KCl, 225 mM imidazole, 10% glycerol, and 3 mM DTT.

Stability: >6 months at -80°C

References:

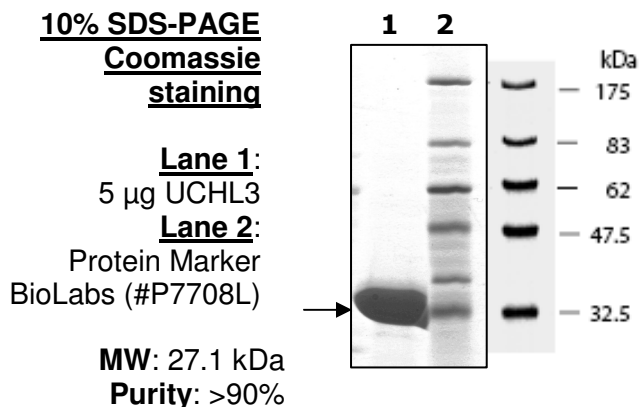
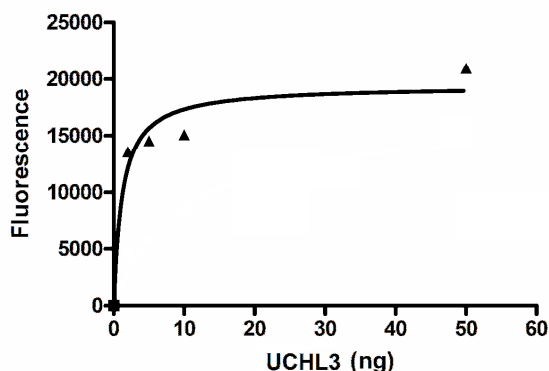
1. Wada, H., *et al.* (1998). *Biochem. Biophys. Res. Commun.* **251** (3): 688-92.
2. Nam, M.J., *et al.* (2004). *Proteomics* **3** (11): 2108-15.
3. Setsuie, R., *et al.* (2009). *Neurochem Int.* **54(5-6)**:314-21.

Description: UCHL3, also known as Ubiquitin Carboxy-terminal Hydrolase L3 (GenBank Accession No. NM_006002), a.a. 2-231(end), with N-terminal His-tag, MW=27.1 kDa, expressed in *E. coli*.

Specific Activity: 20,733 pmole/min/μg
Assay Conditions: Reaction was performed in 50 mM Tris, pH 7.4, 1 mM DTT, 0.5 mM EDTA, 500 nM Ub-AMC, and UCHL3 in a 50 μL reaction. Reaction was incubated at 37°C for 15 min and fluorescent signal was measured at excitation = 340 nm, emission = 460 nm.

Application: Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

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