Catalog Number: 501416



# **General Information**

#### Gene Name Synonym

Neuron cytoplasmic protein 9.5; PGP 9.5; Ubiquitin thioesterase L1

### **Protein Construction**

A DNA sequence encoding the native human UCHL1 (NP\_004172.2) (Gln 2-Ala 223) was expressed, with a polyhistide tag at the N-terminus.

### Organism

Human

# **Expression Host**

E. coli

# **QC Testing**

#### Activity

Measured by the hydrolysis of UbiquitinAMC. The specific activity is >140 pmoles/min/ $\mu$ g.

# Purity

> 92 % as determined by SDS-PAGE

# Endotoxin

Please contact us for more information.

# Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}C$ 

# **Predicted N terminal**

Met

#### **Molecular Mass**

The recombinant human UCHL1 consisting of 229 amino acids and migrates as an 25.6 kDa band in SDS-PAGE under reducing conditions as predicted.

# Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, 20% glycerol, 1mM DTT, pH 8.0
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

# **Usage Guide**

#### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

#### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

#### **SDS-PAGE**

KDa	м	
116	-	
66.2	-	1
45.0	-	
35.0	-	
25.0	-	ė
18.4	-	
14.4	-	

Human UCHL1 / PGP9.5 Protein (His Tag) SDS-PAGE