

## Product datasheet

# Recombinant Mouse PGP9.5 protein ab80756

### 製品の概要

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製品名	Recombinant Mouse PGP9.5 protein
タンパク質長	Full length protein

### 製品の詳細

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由来	Recombinant
由来	Escherichia coli

### アミノ酸配列

アクセッション番号	<a href="#">Q9R0P9</a>
生物種	Mouse

### 特性

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Our [Abpromise guarantee](#) covers the use of **ab80756** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	SDS-PAGE
精製度	> 95 % SDS-PAGE.

製品の状態	Lyophilised
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備考	Typical enzyme concentration to support hydrolysis of substrates in vitro is 10-50 nM depending on conditions. Pre-incubation (15 min) with 10 mM DTT is recommended to achieve maximum activity.
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### 前処理および保存

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保存方法および安定性	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. Preservative: None Constituents: 50mM HEPES, 2mM DTT, pH 8.0
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### 関連情報

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<b>機能</b>	Ubiquitin-protein hydrolase involved both in the processing of ubiquitin precursors and of ubiquitinated proteins. This enzyme is a thiol protease that recognizes and hydrolyzes a peptide bond at the C-terminal glycine of ubiquitin. Also binds to free monoubiquitin and may prevent its degradation in lysosomes. The homodimer may have ATP-independent ubiquitin ligase activity.
<b>組織特異性</b>	Found in neuronal cell bodies and processes throughout the neocortex (at protein level). Expressed in neurons and cells of the diffuse neuroendocrine system and their tumors. Weakly expressed in ovary. Down-regulated in brains from Parkinson disease and Alzheimer disease patients.
<b>関連疾患</b>	Parkinson disease 5 Neurodegeneration with optic atrophy, childhood-onset
<b>配列類似性</b>	Belongs to the peptidase C12 family.
<b>翻訳後修飾</b>	O-glycosylated.
<b>細胞内局在</b>	Cytoplasm. Endoplasmic reticulum membrane. About 30% of total UCHL1 is associated with membranes in brain.

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