

# Recombinant human PGP9.5 protein ab53962

画像数 1

### 製品の詳細

<b>製品名</b>	Recombinant human PGP9.5 protein
<b>生理活性</b>	<p>Specific activity: &gt; 300 pmole/min/ug. Measured by the hydrolysis of Ubiquitin-AMC at pH 8.0, at 37°C.</p> <p><b>Activity Assay:</b></p> <p>Prepare a 100ul of recombinant PGP9.5 protein with various concentrations (0.48ng, 0.9ng) in assay buffer and equilibrate to 37°C for 10 minutes. (Assay buffer: 50mM Tris-HCl, 0.5 mM EDTA, 1 mM DTT, 0.1 mg/ml Ovalbumin, pH 8.0.)</p> <p>Add 50ul of 1uM Ubiquitin-AMC.</p> <p>Read at excitation wavelengths 355nm and emission 460nm for 5 minutes. - Ubiquitin-AMC - 96 Well Polystyrene Microplate, black - Fluorescent plate reader (PerkinElmer, VICTOR X3)</p> <p>Specific activity: &gt; 300 pmole/min/ug. Measured by the hydrolysis of Ubiquitin-AMC at pH 8.0, at 37°C.</p> <p><b>Activity Assay:</b></p> <p>Prepare a 100ul of recombinant PGP9.5 protein with various concentrations (0.48ng, 0.9ng) in assay buffer and equilibrate to 37°C for 10 minutes. (Assay buffer: 50mM Tris-HCl, 0.5 mM EDTA, 1 mM DTT, 0.1 mg/ml Ovalbumin, pH 8.0.)</p> <p>Add 50ul of 1uM Ubiquitin-AMC.</p> <p>Read at excitation wavelengths 355nm and emission 460nm for 5 minutes. - Ubiquitin-AMC - 96 Well Polystyrene Microplate, black - Fluorescent plate reader (PerkinElmer, VICTOR X3)</p>
<b>精製度</b>	> 95 % SDS-PAGE.
<b>発現系</b>	Escherichia coli
<b>タンパク質長</b>	Full length protein
<b>Animal free</b>	No
<b>由来</b>	Recombinant
<b>生物種</b>	Human
<b>配列</b>	<p>MQLKPMEINP EMLNKVLSRL GVAGQWRFVD            VLGLEEESLG SVPAPACALL LLFPLTAQHE            NFRKKQIEEL KGQEVSPKVY FMKQTIGNSC            GTIGLIHAVA NNQDKLGFED GSVLKQFLSE            TEKMSPEDRA KCFEKNEAIQ AAHDAVAQEG            QCRVDDKVN FHFILFNNVDG HLYELDGRMP</p>

領域 1 to 223

## 特性

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Our **Abpromise guarantee** covers the use of **ab53962** 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	Functional Studies SDS-PAGE
質量分析	MALDI-TOF
製品の状態	Liquid

## 前処理および保存

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保存方法および安定性	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. pH: 8.00 Constituents: 0.316% Tris HCl, 0.0584% EDTA This product is an active protein and may elicit a biological response in vivo, handle with caution.
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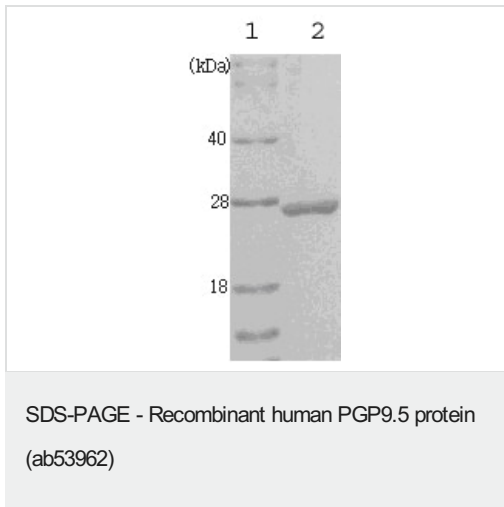
## 関連情報

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機能	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.
組織特異性	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.
関連疾患	Parkinson disease 5 Neurodegeneration with optic atrophy, childhood-onset
配列類似性	Belongs to the peptidase C12 family.
翻訳後修飾	O-glycosylated.
細胞内局在	Cytoplasm. Endoplasmic reticulum membrane. About 30% of total UCHL1 is associated with membranes in brain.

## 画像

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SDS Page analysis of ab53962 (lane 2) run on a 15% SDS-PAGE gel with molecular weight markers (lane 1).

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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