

Recombinant human PGP9.5 protein ab53962

1 图像

描述

产品名称

重组人PGP9.5蛋白

生物活性

Specific activity: > 300 pmole/min/ug. Measured by the hydrolysis of Ubiquitin-AMC at pH 8.0, at 37°C.

Activity Assay:

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.)

Add 50ul of 1uM Ubiquitin-AMC.

Read at excitation wavelengths 355nm and emission 460nm for 5 minutes. - Ubiquitin-AMC

- 96 Well Polystyrene Microplate, black

- Fluorescent plate reader (PerkinElmer, VICTOR X3)

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纯度

> 95 % SDS-PAGE.

表达系统

Escherichia coli

蛋白长度

Full length protein

无动物成分

No

性质

Recombinant

种属

Human

序列

MQLKPMEINP EMLNKVLSRL GVAGQWRFVD
VLGLEEESLG SVPAPACALL LLFPLTAQHE
NFRKKQIEEL KGQEVSPKVY FMKQTIGNSC
GTIGLIHAVA NNQDKLGFED GSVLKQFLSE
TEKMSPEDRA KCFEKNEAIQ AAHDAVAQEG
QCRVDDKVNF HFILFNNVDG HLYELDGRMP

氨基酸 1 to 223

技术指标

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.

应用	Functional Studies
	SDS-PAGE
质谱法	MALDI-TOF
形式	Liquid

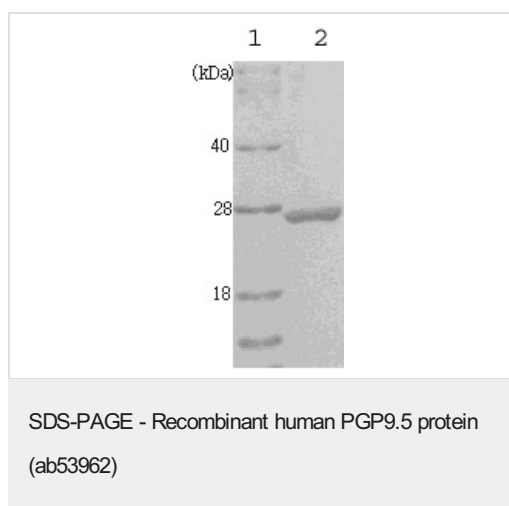
制备和贮存

稳定性和存储	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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常规信息

功能	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.
组织特异性	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.
疾病相关	Parkinson disease 5 Neurodegeneration with optic atrophy, childhood-onset
序列相似性	Belongs to the peptidase C12 family.
翻译后修饰	O-glycosylated.
细胞定位	Cytoplasm. Endoplasmic reticulum membrane. About 30% of total UCHL1 is associated with membranes in brain.

图片



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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