

# Recombinant human PSPN protein ab50120

## 製品の詳細

製品名	Recombinant human PSPN protein
生理活性	Human PSPN induces RET phosphorylation using a concentration range of 0.1-1.0 ng/ml. Human PSPN binds to mammalian GFRa4 with the Kd of 100pM. Other members of the GDNF family (Artemin, GDNF and Neurturin) do not bind to mammalian GFRa4.
精製度	> 95 % SDS-PAGE. Greater than 98% by SDS-PAGE.
発現系	Escherichia coli
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
配列	ALSGPCQLWS LTLSVAELGL GYASEEKVIF RYCAGSCPRG ARTQHGLALA RLQGQGRAHG GPCCRPTRYT DVAFLDDRHR WQLRPQLSAA ACGCGG

## 特性

Our **Abpromise guarantee** covers the use of **ab50120** 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
製品の状態	Lyophilized

## 前処理および保存

保存方法および安定性	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.  This product is an active protein and may elicit a biological response in vivo, handle with caution.
再構成	Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4oC for 1 week or -20oC for future use.

## 関連情報

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関連性	PSPN is a neurotrophic factor, belonging to the GDNF family. Neurotrophic factors are important for the proper development and maintenance of the nervous system. These factors promote neuronal survival and can prevent the neuronal degeneration associated with injury, toxin exposure, or neurodegenerative disease. PSPN has a similar structure to other family members, glial cell line-derived neurotrophic factor, Artemin and neurturin. All these proteins belong to the cysteine-knot family of growth factors that assume stable dimeric structures. PSPN signals through a multicomponent receptor system, composed of RET and one of four GFR alpha (alpha1-alpha4) receptors. The GFRalpha4 was first identified in chicken and was later shown to be the preferential binding subunit for PSPN. In contrast to GDNF and Neurturin, PSPN does not support survival of peripheral neurons.
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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

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