

Recombinant Human C4b protein ab114287

1 图像

描述

产品名称	重组人C4b蛋白
表达系统	Wheat germ
Accession	<u>P0C0L5</u>
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Human
序列	VRSFFPENWLWRVETVDRFQILTLWLPDSLTTWEIHGLSLSK TKGLCVAT PVQLRVFREFHLHLRLPMSVRRFEQLELRPVLYNYLDKNLTV SVHVSPVE
预测分子量	37 kDa including tags
氨基酸	774 to 873

技术指标

Our **Abpromise guarantee** covers the use of **ab114287** in the following tested applications.

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

应用	ELISA SDS-PAGE Western blot
形式	Liquid

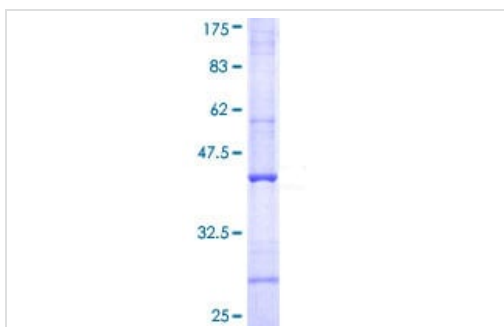
制备和贮存

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
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常规信息

功能	<p>C4 plays a central role in the activation of the classical pathway of the complement system. It is processed by activated C1 which removes from the alpha chain the C4a anaphylatoxin. The remaining alpha chain fragment C4b is the major activation product and is an essential subunit of the C3 convertase (C4b2a) and the C5 convertase (C3bC4b2a) enzymes of the classical complement pathway.</p> <p>Derived from proteolytic degradation of complement C4, C4a anaphylatoxin is a mediator of local inflammatory process. It induces the contraction of smooth muscle, increases vascular permeability and causes histamine release from mast cells and basophilic leukocytes.</p>
序列相似性	<p>Contains 1 anaphylatoxin-like domain.</p> <p>Contains 1 NTR domain.</p>
翻译后修饰	<p>Prior to secretion, the single-chain precursor is enzymatically cleaved to yield the non-identical chains (alpha, beta and gamma). During activation, the alpha chain is cleaved by C1 into C4a and C4b, and C4b stays linked to the beta and gamma chains. Further degradation of C4b by C1 into the inactive fragments C4c and C4d blocks the generation of C3 convertase.</p>
细胞定位	<p>Secreted.</p>

图片



12.5% SDS-PAGE showing ab114287 at approximately 36.63kDa stained with Coomassie Blue.

SDS-PAGE - Recombinant Human C4b protein
(ab114287)

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