

Product Datasheet

Recombinant Plant *Phleum pratense* 7.0101 Strep (N-Term) Protein NBP3-06714

Unit Size: 0.1 mg

Store at -20 to -70C. Avoid freeze-thaw cycles.

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Updated 5/13/2025 v.20.1

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NBP3-06714

Recombinant Plant Phleum pratense 7.0101 Strep (N-Term) Protein

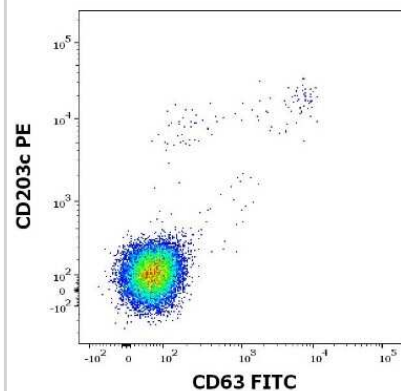
| Product Information | |
|-----------------------------|---------------------------------------------------------------------------------------------|
| Unit Size | 0.1 mg |
| Concentration | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage | Store at -20 to -70C. Avoid freeze-thaw cycles. |
| Preservative | No Preservative |
| Reconstitution Instructions | Reconstitute with sterile deionized water with or without azide. |
| Purity | >95%, by HPLC |
| Buffer | 100 mM Tris, 150 mM NaCl, 0.01% Tween 20, pH 8.0 |
| Target Molecular Weight | 10 kDa |

| Product Description | |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | <p>A recombinant protein with a N-Terminal Strep-tag corresponding to 90 amino acids of Phleum pratense 7.0101</p> <p>Source: <i>E.coli</i></p> <p>Store product aliquots at -20C to -70C. Use stored aliquots within 6 months.</p> |
| Species | Plant |
| Reactivity Notes | Timothy grass (Phleum pratense) |
| Preparation Method | The protein was purified by ionex and affinity chromatography, using Strep-tag. Endotoxin was removed using a specific endotrap carrier. Product was lyophilized after purification. |

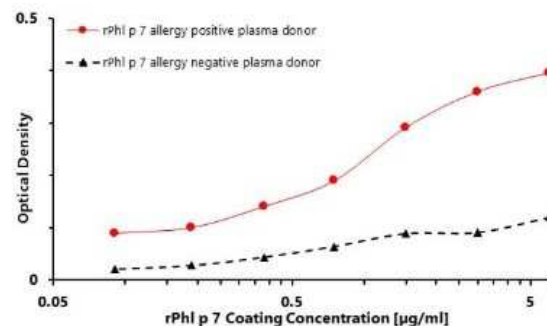
| Product Application Details | |
|-----------------------------|-------------------------------------|
| Applications | Western Blot, ELISA, Flow Cytometry |
| Recommended Dilutions | Western Blot, Flow Cytometry, ELISA |

Images

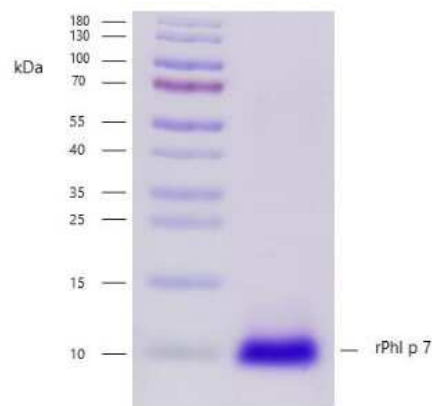
Flow Cytometry: Recombinant Plant Phleum pratense 7.0101 Strep (N-Term) Protein [NBP3-06714] - Flow cytometry dot-plot staining pattern of Phleum pratense 7.0101 recombinant allergen stimulated human peripheral whole blood lymphocytes and basophils of a proven allergic donor stained using anti-human CD63 (NB100-77913) FITC and anti-human CD203c PE antibodies.



ELISA: Recombinant Plant Phleum pratense 7.0101 Strep (N-Term) Protein [NBP3-06714] - ELISA (enzyme-linked immunosorbent assay) test was designed to prove the bond between the coated target recombinant allergen Phleum pratense 7.0101 and allergen-specific human plasma IgG4 antibodies of Phleum pratense positive donor. A measurable signal was subsequently generated by the addition of biotin labeled anti-human IgG4 (detection) antibody, Streptavidin-HRP and substrate solution (TMB). The intensity of the signal is proportional to the amount of coated Phleum pratense 7.0101.



SDS-Page: Recombinant Plant Phleum pratense 7.0101 Strep (N-Term) Protein [NBP3-06714] - Recombinant allergen Phleum pratense 7.0101 purity verification. 5 µg of Phleum pratense 7.0101 with > 95 % purity checked by Coomassie Brilliant Blue stained SDS-PAGE.





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