

# Product Datasheet

## Recombinant Canine *Canis familiaris* 1.0101 Strep (N-Term) Protein NBP3-06717

Unit Size: 0.1 mg

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

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**NBP3-06717****Recombinant Canine Canis familiaris 1.0101 Strep (N-Term) Protein**

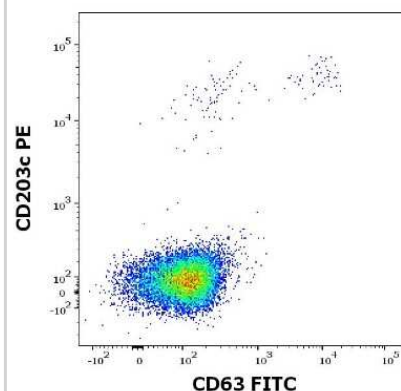
<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20 to -70C. Avoid freeze-thaw cycles.
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Reconstitute with sterile deionized water with or without azide.
<b>Purity</b>	>95%, by HPLC
<b>Buffer</b>	Lyophilized from a 0.22 um filtered solution in Tris buffer (100 mM Tris, 150 mM NaCl, pH 8)
<b>Target Molecular Weight</b>	18.8 kDa

<b>Product Description</b>	
<b>Description</b>	<p>A recombinant protein with a N-Terminal Strep-tag corresponding to 169 amino acids of Canis familiaris 1.0101</p> <p><b>Source:</b> <i>E.coli</i></p> <p><b>Accession Number:</b> NP_001003190.1</p> <p><b>Store product aliquots at -20C to -70C. Use stored aliquots within 6 months.</b></p>
<b>Gene ID</b>	403830
<b>Species</b>	Canine
<b>Preparation Method</b>	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.

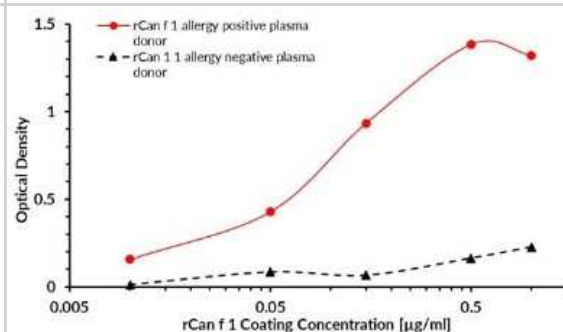
<b>Product Application Details</b>	
<b>Applications</b>	ELISA, Flow Cytometry, SDS-Page
<b>Recommended Dilutions</b>	Flow Cytometry, ELISA, SDS-Page

## Images

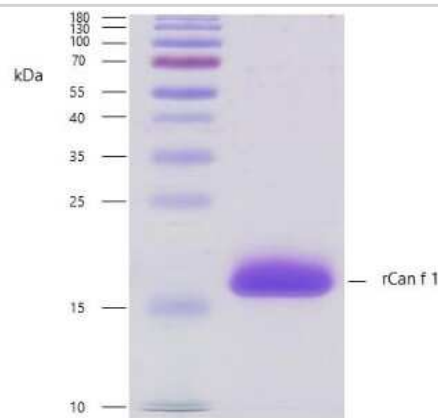
**Flow Cytometry:** Recombinant Canine Canis familiaris 1.0101 Strep (N-Term) Protein [NBP3-06717] - Flow cytometry dot-plot staining pattern of Canis familiaris 1.0101 recombinant allergen stimulated human peripheral whole blood lymphocytes and basophils of a proven allergic donor stained using anti-human CD63 (NB100-77913) FITC and anti-human CD203c PE antibodies.



**ELISA:** Recombinant Canine Canis familiaris 1.0101 Strep (N-Term) Protein [NBP3-06717] - ELISA (enzyme-linked immunosorbent assay) test was designed to prove the bond between the coated target recombinant allergen Canis familiaris 1.0101 and allergen-specific human plasma IgG4 antibodies of Canis familiaris 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 Canis familiaris 1.0101.



**SDS-Page:** Recombinant Canine Canis familiaris 1.0101 Strep (N-Term) Protein [NBP3-06717] - Recombinant allergen Canis familiaris 1.0101 purity verification. 5 µg of Canis familiaris 1.0101 with > 95 % purity checked by Coomassie Brilliant Blue stained SDS-PAGE.





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