



## Recombinant Dermatophagoides farina Der P1 Protein (a.a. 20-320) [His] (DAG1341)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

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| <b>Product Overview</b> | The E.Coli derived recombinant protein contains the Dermatophagoides pteronyssinus Dust Mite Der P1 protein (a.a. 20-320) and fused to a 6 His Tag at C-terminus, having a total Mw of 34.5kDa, pl 5.6. |
| <b>Species</b>          | D. farina   |
| <b>Purity</b>           | Protein is >95% pure as determined by 10% SDS-PAGE (coomassie staining).  |
| <b>Conjugate</b>        | His   |
| <b>Molecular Weight</b> | 34.5 kDa  |
| <b>Format</b>           | Liquid  |
| <b>Size</b>             | 100 µg, 500 µg, 1 mg  |
| <b>Buffer</b>           | 60mM NaCl and 50mM Tris-HCl pH 8.0.   |
| <b>Preservative</b>     | None  |
| <b>Storage</b>          | Der-P1 although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.  |
| <b>Ship</b>             | Shipped with Ice Packs  |

### BACKGROUND

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| <b>Introduction</b> | DERP1 is a thiol protease, with a preference for substrates with a large hydrophobic side chain in the P2 position, or with basic residues. DERP1 is a C1 peptidase family member. DERP1 |
|---------------------|--|

has extensive endopeptidase specificity. DERP1 is N-glycosylated. N-glycanase treatment does not completely remove carbohydrates, suggesting that the protein contains additional glycosylation sites. DERP1 causes an allergic reaction in humans. Common symptoms of mite allergy are bronchial asthma, allergic rhinitis and conjunctivitis. DERP1 binds to IgE in 80% of patients with house dust allergy.

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**Keywords** D. farina Der P1; DERP1; Der P1; D. farina

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## GENE INFORMATION

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**Protein Refseq** MSIKTFEEYKKAFNKSYATFEDEEAARKNFLESVKYVQSNGGAINHLSDSLDEFKNRFLMSAEAFEHLKTC

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