# Recombinant Human NCF2 Protein (Lys355-Val526), His tagged

**Cat. No.** NCF2-4668H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant human NCF2 (Lys355-Val526) fused with His tag was expressed in E. coli. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | Lys355-Val526 |
| **Description** | NCF2, also known as NCF-2 and p67phox, is a subunit of the multi-protein NADPH oxidase complex. NCF2, NCF1, and a membrane bound cytochrome b558 are required for activation of the latent NADPH oxidase. This oxidase produces a burst of superoxide which is delivered to the lumen of the neutrophil phagosome. Mutations in NCF2 gene, as well as in other NADPH oxidase subunits, can result in chronic granulomatous disease, a disease that causes recurrent infections by catalase-positive organisms. |
| **Form** | Lyophilized powder/frozen liquid |
| **Molecular Mass** | 21.6 kDa |
| **Purity** | >90% as determined by SDS-PAGE. |
| **Notes** | For research use only. |

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| **Storage** | Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt. |
| **Storage Buffer** | Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5. |
| **Reconstitution** | Reconstitute in sterile water for a stock solution. |
| **Shipping** | They are shipped out with dry ice/blue ice unless customers require otherwise. |

## GENE INFORMATION

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| **Gene Name** | NCF2 neutrophil cytosolic factor 2 [ Homo sapiens (human) ] |
| **Official Symbol** | NCF2 |
| **Synonyms** | NCF2; neutrophil cytosolic factor 2; neutrophil cytosolic factor 2 (65kD, chronic granulomatous disease, autosomal 2); neutrophil cytosol factor 2; chronic granulomatous disease; autosomal 2; NADPH oxidase activator 2; NOXA2; p67phox; 67 kDa neutrophil oxidase factor; neutrophil NADPH oxidase factor 2; chronic granulomatous disease, autosomal 2; NCF-2; P67PHOX; P67-PHOX; FLJ93058; |
| **Gene ID** | 4688 |
| **mRNA Refseq** | NM_000433 |
| **Protein Refseq** | NP_000424 |
| **MIM** | 608515 |
| **UniProt ID** | P19878 |

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