# Recombinant Full Length Human NCF2 Protein

**Cat. No.** NCF2-335HF **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant full length Human NOXA2/p67phox with N-terminal proprietary tag; 83.86 kDa. |
| **Species** | Human |
| **Source** | In Vitro Cell Free System |
| **ProteinLength** | 526 amino acids |
| **Description** | This gene encodes neutrophil cytosolic factor 2, the 67-kilodalton cytosolic subunit of the multi-protein NADPH oxidase complex found in neutrophils. This oxidase produces a burst of superoxide which is delivered to the lumen of the neutrophil phagosome. Mutations in this 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. Alternative splicing results in multiple transcript variants encoding different isoforms. |
| **Form** | Liquid |
| **Molecular Mass** | 83.860kDa inclusive of tags |
| **AA Sequence** | MSLVEAISLWNEGVLAADKKDWKGALDAFSAVQDPHSRIC FNIGCMYTILKNMTEA EKAFTRSINRDKHLAVAYFQRGML YYQTEKYDLAIKDLKEALIQLRGNQLIDYKILGL QFKLFA CEVLYNIAFMYAKKEEWKKAEEQLALATSMKSEPRHSKID KAMECVWKQ KLYEPVVIPVGRLFRPNERQVAQLAKKDYLG KATVVASVVDQDSFSGFAPLQPQAA |

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| | EPPPRPKTPEIFRAL EGEAHRVLFGFVPETKEELQVMPGNIVFVLKKGNDNWATV M FNGQKGLVPCNYLEPVELRIHPQQQPQEESSPQSDIPAP PSSKAPGRPQLSPGQK QKEEPKEVKLSVPMPYTLKVHYKY TVVMKTQPGLPYSQVRDMVSKKLELRLEQTKL SYRPRDSN ELVPLSEDSMKDAWGQVKNYCLTLWCENTVGDQGFPDEPK ESEKAD ANNQTTEPQLKKGSQVEALFSYEATQPEDLEFQE GDIILVLSKVNEEWLEGECKGK VGIFPKVFVEDCATTDLE STRREV |
| **Purity** | Proprietary Purification |
| **Storage** | Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles. |
| **Storage Buffer** | pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione. |

## GENE INFORMATION

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| **Gene Name** | NCF2 neutrophil cytosolic factor 2 [ Homo sapiens ] |
| **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 |
| **Gene ID** | 4688 |
| **mRNA Refseq** | NM_000433 |
| **Protein Refseq** | NP_000424 |
| **MIM** | 608515 |

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| **UniProt ID** | P19878 |

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