

Product datasheet for TP300704L

NCF2 (NM_000433) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|-----------------------------------------------------------------------------------------------|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human neutrophil cytosolic factor 2 (NCF2), transcript variant 1, 1 mg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC200704 representing NM_000433 Red=Cloning site Green=Tags(s) |

MSLVEAISLWNEGVLAAADKKDWKGALDAFSAVQDPHSRICFNIGCMYILKNMTEAEKAFTRSINRDKHL
AVAYFQRGMLYYQTEKYDLAIKDLKEALIQLRGNQLIDYKILGLQFKLFACEVLYNIAFMYAKKEEWKKA
EEQLALATSMKSEPRHSKIDKAMECVWKQKLYEPVWIPVGRFRPNERQVAQLAKKDYLKATVVASVVD
QDSFSGFAPLQPQAAEPPRPKTPEIFRALEGEAHRVLFVGFVPETKEELQVMPGNIVFLKKGNDNWATV
MFNGQKGLVPCNYLEPVELRIHPQQQPQEESSPQSDIPAPSSKAPGRPQLSPGQKQKEEPKEVKSVP
PYTLKVHYKYTVVMKTQGPLPYSQVRDMVSKKLELRLEQTKLSYRPRDSNELVPLSEDSMKDAWGQVKNY
CLTLWCENTVGDQGFDPKESEKADANNQTTEPQLKKGQSQVEALFSYEATQPEDLEFQEGDIILVLSKV
NEEWLEGECKGKVGIFPKVVEDCATTDLESTRREV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tag: | C-Myc/DDK |
| Predicted MW: | 59.6 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |



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RefSeq: [NP_000424](#)

Locus ID: 4688

UniProt ID: [P19878](#), [A0A0S2Z457](#)

RefSeq Size: 2406

Cytogenetics: 1q25.3

RefSeq ORF: 1578

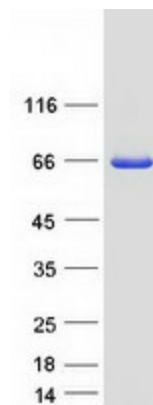
Synonyms: NCF-2; NOXA2; P67-PHOX; P67PHOX

Summary: 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. [provided by RefSeq, Jun 2010]

Protein Families: Druggable Genome

Protein Pathways: Leukocyte transendothelial migration

Product images:



Coomassie blue staining of purified NCF2 protein (Cat# [TP300704]). The protein was produced from HEK293T cells transfected with NCF2 cDNA clone (Cat# [RC200704]) using MegaTran 2.0 (Cat# [TT210002]).