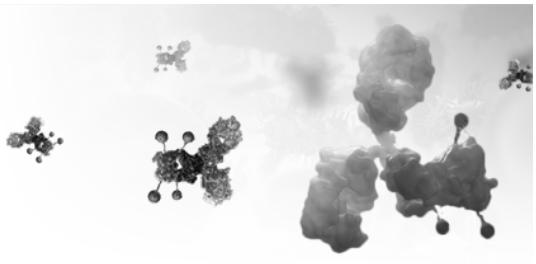

Human NCF2 peptide (DAG-P0882)

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

PRODUCT INFORMATION

Antigen 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. [provided by RefSeq, Jun 2010]
Conjugate	Unconjugated
Sequence Similarities	Belongs to the NCF2/NOXA1 family.Contains 1 OPR domain.Contains 2 SH3 domains.Contains 3 TPR repeats.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	NCF2 neutrophil cytosolic factor 2 [Homo sapiens (human)]
Official Symbol	NCF2
Synonyms	NCF2; neutrophil cytosolic factor 2; NCF-2; NOXA2; P67PHOX; P67-PHOX; neutrophil cytosol factor 2; NADPH oxidase activator 2; 67 kDa neutrophil oxidase factor; neutrophil NADPH oxidase factor 2; chronic granulomatous disease, autosomal 2; neutrophil cytosolic factor 2 (65kD, chronic granulomatous disease, autosomal 2);

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Entrez Gene ID	4688
mRNA Refseq	NM_000433.3
Protein Refseq	NP_000424.2
UniProt ID	P19878
Chromosome Location	1q25
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing-Cross presentation, organism-specific biosystem; BDNF signaling pathway, organism-specific biosystem; Class I MHC mediated antigen processing and presentation, organism-specific biosystem; Cross-presentation of particulate exogenous antigens (phagosomes), organism-specific biosystem; Disease, organism-specific biosystem; Immune System, organism-specific biosystem; Latent infection of Homo sapiens with Mycobacterium tuberculo
Function	Rac GTPase binding; electron carrier activity; protein C-terminus binding; protein binding;

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