

# Recombinant Full Length Human NOXA1 Protein, GST-tagged

Cat. No. NOXA1-6724HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human NOXA1 full-length ORF ( NP_006638.1, 1 a.a. - 483 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	483 amino acids
<b>Description</b>	NADPH oxidases (NOXs) catalyze the transfer of electrons from NADPH to molecular oxygen to generate reactive oxygen species (ROS). The NOX activator NOXA1 can stimulate both NOX1 (MIM 300225) and NOX2 (CYBB; MIM 300481), but it appears to be more effective in activating NOX1 (Opitz et al., 2007 [PubMed 17189823]).[supplied by OMIM
<b>Molecular Mass</b>	78.1 kDa
<b>AA Sequence</b>	MASLGDLVRAWHLGAQAVDRGDWARALHLFSGVPAPPARLCFNAGCVHLLAGDPE AALRAFDQAVTKDTCMAVGFFQRGVANFQLARFQEALSDFWLALQLRGHAAIDYT QLGLRFKLQAWEVLHNVASAQCQLGLWTEAASSLREAMSKWPEGSLNGLDSALDQ VQRRGSLPPRQVPRGEVFRPHRWHLKHLEPVDFLGKAKVVASAIPDDQGWGVRPQ QPQGGANHDARSLIMDSPRAGTHQGPLDAETEVGADRCTSTAYQEQRPPQVEQV GKQAPLSPGLPAMGGPGGPCEDPAGAGGAGAGGSEPLVTVTVQCAFTVALRAR RGADLSSLRALLGQALPHQAQLGQLSYLAPGEDGHWVPIPEEESLQRAWQDAAAC PRGLQLQCRGAGGRPVLVYQVVAQHSYSAQGPEDLGFRRQGDVTVLCEEPDVPLAV

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DQAWLEGHCDGRIGIFPKCFVVPAGPRMSGAPGRLPRSQQGDQP

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

[NOXA1 NADPH oxidase activator 1 \[ Homo sapiens \]](#)

**Official Symbol**

[NOXA1](#)

**Synonyms**

NOXA1; NADPH oxidase activator 1; SDCCAG31, serologically defined colon cancer antigen 31; FLJ25475; NY CO 31; p51-nox; Nox activator 1; antigen NY-CO-31; NCF2-like protein; p67phox-like factor; inhibitory NADPH oxidase activator 1; serologically defined colon cancer antigen 31; p51NOX; NY-CO-31; SDCCAG31; MGC131800;

**Gene ID**

[10811](#)

**mRNA Refseq**

[NM\\_001256067](#)

**Protein Refseq**

[NP\\_001242996](#)

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<b>MIM</b>	611255
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<b>UniProt ID</b>	Q86UR1
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