

Recombinant Full Length Human NOXA1 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human NOXA1 full-length ORF (NP_006638.1, 1 a.a. - 483 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	483 amino acids
Description	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
Molecular Mass	78.1 kDa
AA Sequence	MASLGDLVRAWHLGAQAVDRGDWARALHLFSGVPAPPARLCFNAGCVHLLAGDPE AALRAFDQAVTKDTCMAVGFFQRGVANFQLARFQEALSDFWLALQLRGHAAIDYT QLGLRFLQAWEV LHNVASAQCQLGLWTEAASSLREAMSKWPEGSLNGLDSALDQ VQRRGSLPPRQVPRGEVFRPHRWHLKHLEPVDFLGKAKVVASAIPDDQGWGVRPQ QPQGPANHDARSLIMDSPRAGTHQGPLDAETEVGADRCTSTAYQEQRPPQVEQV GKQAPLSPGLPAMGGPGPGPCEDPAGAGGAGAGGSEPLVTVTVQCAFTVALRAR RGADLSSLRALLGQALPHQAQLGQLSYLAPGEDGHWVPIPEEESLQRAWQDAAAC PRGLQLQCRGAGGRPVLVYQVVAQHSYSAQGPEDLGFRQGD TVDVLCEEPDVPLAV

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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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MIM	611255
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UniProt ID	Q86UR1
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