

Recombinant Human NOXA1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NOXA1-2934H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NOXA1 MS Standard C13 and N15-labeled recombinant protein (NP_006638) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a protein which activates NADPH oxidases, enzymes which catalyze a reaction generating reactive oxygen species. The encoded protein contains four N-terminal tetratricopeptide domains and a C-terminal Src homology 3 domain. Interaction between the encoded protein and proteins in the oxidase regulatory complex occur via the tetratricopeptide domains. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	51.7 kDa
AA Sequence	MASLGDLVRAWHLGAQAVDRGDWARALHLFSGVPAPPARLCFNAGCVHLLAGDPE AALRAFDQAVTKDTCMAVGFFQRGVANFQLARFQEALSDFWLALQLRGHAAIDYT QLGLRFKLQAWEV LHNVASAQCQLGLWTEAASSLREAMSKWPEGSLNGLDSALDQ VQRRGSLPPRQVPRGEVFRPHRWHLKHLEPVDFLGKAKVVASAIPDDQGQWGVPRPQ QPQGPGANHDARSLIMDSPRAGTHQGPLDAETEVGADRCTSTAYQEQRPPQVEQV GKQAPLSPGLPAMGGPGPGPCEDPAGAGGAGAGGSEPLVTVTVQCAFTVALRAR RGADLSSLRALLGQALPHQAQLGQLSYLAPGEDGHWVPIPEEESLQRAWQDAAAC

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PRGLQLQCRGAGGRPVLYQVVAQHSYSAQGPEDLGFRQGDTVLDLCEEPDVPLAV
DQAWLEGHCDGRIGIFPKCFVVPAGPRMSGAPGRLPRSQQGDQPTRTRPLEQKLIS
EEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name NOXA1 NADPH oxidase activator 1 [Homo sapiens (human)]

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_006647

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Protein Refseq	NP_006638
MIM	611255
UniProt ID	Q86UR1

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