

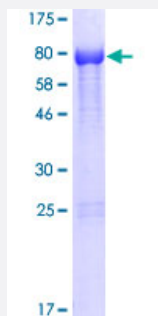
Full-Length

NOXA1 (Human) Recombinant Protein (P01)

Catalog # H00010811-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human NOXA1 full-length ORF (NP_006638.1, 1 a.a. - 483 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MASLGDLVRAWHLGAQAVDRGDWARALHLFSGVPAPPARLCFNAGCVHLLAGDPEAALRAFD
QAVTKDTCMAVGFFQRGVANFQLARFQEALSDFWLAEQLRGHAAIDYTLGLRFLQAWVEVLH
NVASAQCQLGLWTEAASSLREAMSKWPEGSLNGLDSALDQVQRRGSLPPRQVPRGEVFRPHR
WHLKHLEPVDLGLKAKVVASAIPDDQGWGVRPQQPGPGANHDARSLIMDSPRAGTHQGGLDA
ETEVGADRCTSTAYQEQRQVEQVGKQAPLSPGLPAMGGPGPGPCEDPAGAGGAGAGGSEPL
VTVTVQCAFTVALRARRGADLSSLRALLGQALPHQAQLGQLSYLAPGEDGHWWPIPEEESLQRA
WQDAAACPRGLQLQCRGAGGRPVLQVVAQHSYSAQGPEDLGFRQGD TVDVLCEEPDVPLAV
DQAWLEGHCDGRIGIFPKCFVVPAGPRMSGAPGRLPRSQQGDQP

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

78.1

Interspecies Antigen Sequence

Mouse (59); Rat (59)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — NOXA1

Entrez GeneID	10811
GeneBank Accession#	NM_006647.1
Protein Accession#	NP_006638.1
Gene Name	NOXA1
Gene Alias	FLJ25475, MGC131800, NY-CO-31, SDCCAG31, p51NOX
Gene Description	NADPH oxidase activator 1
Omim ID	611255
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	Nox activator 1 inhibitory NADPH oxidase activator 1 p67phox-like factor serologically defined colon cancer antigen 31