

Recombinant Human NRROS Protein (19-650 aa), His-Myc-tagged

Cat. No. NRROS-2547H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NRROS Protein (19-650 aa) is produced by E. coli expression system. This protein is fused with a 10xHis tag at the N-terminal and a Myc tag at the C-terminal. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	19-650 aa
Description	Negative regulator of reactive oxygen species (ROS) that limits ROS production by phagocytes during inflammatory response, thereby playing a role during host defense. Acts via direct interaction with CYBB/NOX2 monomer that impairs interaction between CYBB/NOX2 and CYBA/p22-phox and formation of a stable NOX2 complex. May play a critical role in desensitizing TLR signaling through inhibition of Toll-like receptor-mediated NF-kappa-B activation and cytokine production.
Form	Tris-based buffer,50% glycerol
Molecular Mass	74.5 kDa
AA Sequence	WRNRSGTATAASQGVCKLVGGAADCRGQSLASVPSSLPPHARMLTLDANPLKTLW NHSLQPYPLLESLSLHSCHLERISRGAFQEQQHLRSLVLGDNCLSENYEETAAALHA

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LPGLRRDLDSGNALTEDMAALMLQNLSSLRSVSLAGNTIMRLDDSVFEGLERLRELD
 LQRNYIFEIEGGAFDGLAELRHLNLAFFNNLPCIVDFGLTRLRVNLVSYNVLEWFLATG
 GEAAFELETDLDSHNQLLFFPLLPQYSKLRITLLLRDNNMGFYRDLYNTSSPREMVAQ
 FLLVDGNVTNITTVSLWEEFSSSDLADLRFLDMSQNFQYLPDGFRLKMPSLSHLNL
 HQNCLMTLHIREHEPPGALTELDLSHNQSELHLAPGLASCLGSLRLFNLSNQLLG
 VPPGLFANARNITTLDMSHNQISLCPLPAASDRVGPSCVDFRNMASLRSLSLEGCG
 LGALPDCPFQGTSLTYLDLSSNWGVLNGSLAPLQDVAPMLQVLSLRNMGLHSSFMA
 LDFSGFGNLRDLDSGNCLTTFPRFGGSLALETDLRRNSLTALPQKAVSEQLSRGL
 RTIYLSQNPYDCCGVDGWGALQHGGQTVADWAMVTCNLSSKIIRVTELPGGVPRDCK
 WERLDLGL

Purity > 85% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name NRROS negative regulator of reactive oxygen species [Homo sapiens (human)]

Official Symbol NRROS

Synonyms NRROS; GARPL1; LRRC33; UNQ3030; ELLP3030;

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Gene ID	375387
mRNA Refseq	NM_198565
Protein Refseq	NP_940967
UniProt ID	Q86YC3
(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.	