

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

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

## SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	19-650 aa
<b>Description</b>	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.
<b>Form</b>	Tris-based buffer,50% glycerol
<b>Molecular Mass</b>	74.5 kDa
<b>AA Sequence</b>	WRNRSGTATAASQGVCKLVGGAADCRGQSLASVPSSLPPHARMLTLDANPLKTLW NHSLQPYPLLESLSLHSCHLERISRGAFQEQQHLRSLVLGDNCLSENYEETAALHA

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LPGLRRDLDSGNALTEDMAALMLQNLSSLRSVSLAGNTIMRLDDSVFEGLERLRELD  
 LQRNYIFEIEGGAFDGLAELRHLNLAFLNLPCLVDFGLTRLRVLNVSYNVLEWFLATG  
 GEAAFELETLDLSHNQLLFFPLLPQYSKLRLLLLRDNNMGFYRDLYNTSSPREMVAQ  
 FLLVDGNVTNITTVSLWEEFSSSDLADLRFLDMSQNFQYLPDGFRLKMPSLSHLNL  
 HQNCLMTLHIREHEPPGALTELDLSHNQLSELHLAPGLASCLGSLRFLNLSSNQLLG  
 VPPGLFANARNITTLDMSHNQISLCPLPAASDRVGGPSCVDFRNMASLRSLSLEGCG  
 LGALPDCPFQGTSLTYLDLSSNWGVLNGSLAPLQDVAPMLQVLSLRNMGLHSSFMA  
 LDFSGFGNLRDLDSGNCLTTFPRFGGSLALETDLRRNSLTALPQKAVSEQLSRGL  
 RTIYLSQNPYDCCGVDGWGALQHGQTVADWAMVTCNLSSKIIRVTELPGGVPRDCK  
 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.

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