

# Recombinant Mouse NRL Protein (1-237 aa), His-SUMO-Myc-tagged

**Cat. No.** NRL-2535M    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**      Recombinant Mouse NRL Protein (1-237 aa) is produced by E. coli expression system. This protein is fused with a 10xHis-SUMO tag at the N-terminal and a Myc tag at the C-terminal. Protein Description: Full Length.

**Species**      Mouse

**Source**      E.coli

**ProteinLength**      1-237 aa

**Description**      Acts as a transcriptional activator which regulates the expression of several rod-specific genes, including RHO and PDE6B. Functions also as a transcriptional coactivator, stimulating transcription mediated by the transcription factor CRX and NR2E3. Binds in a sequence-specific manner to the rhodopsin promoter.


**Form**      Tris-based buffer,50% glycerol

**Molecular Mass**      46.1 kDa

**AA Sequence**      MAFPPSPLAMEYVNDFDLMKFEIKREPSEGRSGVPTASLGSTPYSSVPPSPTFSEP  
GMVGGGEAPRPGLEELYWLATLQQQLGSDEVLGLSPDEAVELLQNQGVPVSMEGPL  
GYYSGSPGETGAQHVQLPERFSDAALVSMVRELNRLRQGRDEALRLKQRRRT  
LKNRGYAQACRSKRLQRRGLEAERARLAAQLDALRAEVARLARERDLYKARCDR  
LTSGGPGSDDHHLFL

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<b>Purity</b>	> 85% as determined by SDS-PAGE.
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
<b>Storage</b>	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.
<b>Concentration</b>	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

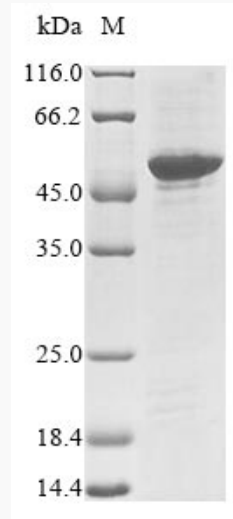
## GENE INFORMATION

<b>Gene Name</b>	Nrl neural retina leucine zipper gene [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	NRL
<b>Synonyms</b>	NRL; neural retina leucine zipper gene; AW492574; D14H14S46E;
<b>Gene ID</b>	18185
<b>mRNA Refseq</b>	NM_001136074
<b>Protein Refseq</b>	NP_001129546
<b>UniProt ID</b>	P54846

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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