Recombinant Mouse Nprl3 Protein, Myc/DDK-tagged

Cat. No. Nprl3-4478M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length nitrogen permease regulator-like 3 (Nprl3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	As a component of the GATOR1 complex functions as an inhibitor of the amino acid-sensing branch of the TORC1 pathway. The GATOR1 complex strongly increases GTP hydrolysis by RRAGA and RRAGB within RRAGC-containing heterodimers, thereby deactivating RRAGs, releasing mTORC1 from lysosomal surface and inhibiting mTORC1 signaling. The GATOR1 complex is negatively regulated by GATOR2 the other GATOR subcomplex in this amino acid-sensing branch of the TORC1 pathway.
Molecular Mass	63.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Nprl3 nitrogen permease regulator-like 3 [Mus musculus (house mouse)]
Official Symbol	Nprl3
Synonyms	Nprl3; nitrogen permease regulator-like 3; Ma; Ph; Pr; Aag; Phg; HS-2; HS-4; Mare; HS-26; HS-40; Prox1; m(alp; CGTHBA; m(alpha)RE; GATOR complex protein NPRL3; -14; alpha globin regulatory element containing; alpha-globin regulatory element-containing gene protein; nitrogen permease regulator 3-like protein; proximal locus to the hemoglobin alpha chain complex
Gene ID	17168
mRNA Refseq	NM_181569
Protein Refseq	NP_853547
UniProt ID	Q8VIJ8

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA