

Recombinant Rat Flot1 Protein, His-tagged

Cat. No. Flot1-1505R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Flot1 Protein (Met1-Ala428) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Met1-Ala428
Description	Enables ionotropic glutamate receptor binding activity and protease binding activity. Predicted to be involved in several processes, including positive regulation of cell-cell adhesion; positive regulation of cellular component organization; and protein localization to membrane. Predicted to act upstream of or within axonogenesis and regulation of Rho protein signal transduction. Located in caveola. Part of flotillin complex. Is active in GABA-ergic synapse; glutamatergic synapse; and presynaptic active zone. Orthologous to human FLOT1 (flotillin 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 51.2 kDa Accurate Molecular Mass: 54 kDa
Purity	> 80%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

 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

Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

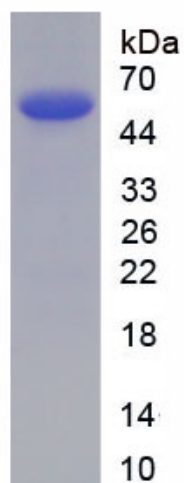
GENE INFORMATION

Gene Name	Flot1 flotillin 1 [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Flot1
Synonyms	FLOT1; flotillin 1; flotillin-1; REG-2; reggie-2; Rareg;
Gene ID	64665
mRNA Refseq	NM_022701
Protein Refseq	NP_073192
UniProt ID	Q9Z1E1

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