

Recombinant Rat Fxr1 Protein, His&GST-tagged

Cat. No. Fxr1-1538R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Fxr1 Protein (Leu375-Asp568) with N-His&GST tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Leu375-Asp568
Description	Predicted to enable RNA binding activity; protein dimerization activity; and translation regulator activity. Predicted to be involved in several processes, including positive regulation of response to DNA damage stimulus; regulation of filopodium assembly; and regulation of gene expression. Predicted to be located in several cellular components, including costamere; glutamatergic synapse; and perinuclear region of cytoplasm. Predicted to be part of polysome. Predicted to be active in several cellular components, including dendrite; growth cone; and postsynaptic density. Orthologous to human FXR1 (FMR1 autosomal homolog 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 51.3 kDa Accurate Molecular Mass: 55 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Fxr1 fragile X mental retardation gene 1, autosomal homolog [Rattus norvegicus (Norway rat)]
Official Symbol	Fxr1
Synonyms	FXR1; fragile X mental retardation gene 1, autosomal homolog; fragile X mental retardation syndrome-related protein 1; fragile X mental retardation, autosomal homolog 1; Fxr1h;
Gene ID	361927
mRNA Refseq	NM_001012179
Protein Refseq	NP_001012179

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UniProt ID

Q5XI81

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