

Recombinant Mouse Invs Protein, His-tagged

Cat. No. Invs-2331M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Invs Protein (Met1-Val239) with a N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Val239
Description	Predicted to enable calmodulin binding activity. Acts upstream of or within several processes, including animal organ development; epithelial cilium movement involved in determination of left/right asymmetry; and protein localization to ciliary inversin compartment. Located in ciliary base and ciliary inversin compartment. Is expressed in several structures, including adrenal gland; brain; gut gland; hemolymphoid system; and skeletal musculature. Used to study nephronophthisis 2 and tetralogy of Fallot. Human ortholog(s) of this gene implicated in nephronophthisis 2. Orthologous to human INVS (inversin).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 30.2 kDa Accurate Molecular Mass: 30 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).

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Purity	> 90%
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	Invs inversin [Mus musculus (house mouse)]
Official Symbol	Invs
Synonyms	Invs; inversin; inv; Nphp2; inversin inversion of embryo turning protein nephrocystin 2
Gene ID	16348
mRNA Refseq	NM_010569
Protein Refseq	NP_034699

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UniProt ID

O89019

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