

Recombinant Human ITPR3 Protein, His&GST-tagged

Cat. No. ITPR3-1701H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITPR3 Protein (Phe2389-Asp2496) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Phe2389-Asp2496
Description	This gene encodes a receptor for inositol 1,4,5-trisphosphate, a second messenger that mediates the release of intracellular calcium. The receptor contains a calcium channel at the C-terminus and the ligand-binding site at the N-terminus. Knockout studies in mice suggest that type 2 and type 3 inositol 1,4,5-trisphosphate receptors play a key role in exocrine secretion underlying energy metabolism and growth.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 41.8 kDa Accurate Molecular Mass: 42 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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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

[ITPR3 inositol 1,4,5-trisphosphate receptor, type 3 \[Homo sapiens \(human\) \]](#)

Official Symbol

[ITPR3](#)

Synonyms

ITPR3; inositol 1,4,5-trisphosphate receptor, type 3; inositol 1,4,5 triphosphate receptor, type 3; inositol 1,4,5-trisphosphate receptor type 3; IP3R3; insP3R3; IP3 receptor; type 3 InsP3 receptor; inositol 1,4,5-triphosphate receptor, type 3; IP3R; FLJ36205;

Gene ID

[3710](#)

mRNA Refseq

[NM_002224](#)

Protein Refseq

[NP_002215](#)

MIM

[147267](#)

UniProt ID

[Q14573](#)

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