

Recombinant Mouse Nr1h4 Protein, His&GST-tagged

Cat. No. Nr1h4-2761M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Nr1h4 Protein (Leu212-Gln488) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Leu212-Gln488
Description	Enables DNA-binding transcription factor activity, RNA polymerase II-specific; bile acid binding activity; and retinoid X receptor binding activity. Involved in several processes, including lipid homeostasis; negative regulation of cytokine production; and regulation of signal transduction. Acts upstream of or within several processes, including Notch signaling pathway; bile acid metabolic process; and negative regulation of very-low-density lipoprotein particle remodeling. Predicted to be located in euchromatin and nucleus. Predicted to be part of receptor complex. Is expressed in several structures, including 1st branchial arch; central nervous system; liver; sensory organ; and urinary system. Used to study hepatocellular carcinoma. Human ortholog(s) of this gene implicated in extrahepatic cholestasis; hepatocellular carcinoma; and progressive familial intrahepatic cholestasis 5. Orthologous to human NR1H4 (nuclear receptor subfamily 1 group H member 4).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 62.3 kDa

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	Accurate Molecular Mass: 62 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 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	Nr1h4 nuclear receptor subfamily 1, group H, member 4 [Mus musculus (house mouse)]
Official Symbol	Nr1h4
Synonyms	Nr1h4; nuclear receptor subfamily 1, group H, member 4; Fxr; HRR1; RIP14; Rxrip14; AI957360; bile acid receptor; RXR-interacting protein 14; farnesoid X activated receptor; farnesol receptor HRR-1; retinoid X receptor-interacting protein 14

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Gene ID	20186
mRNA Refseq	NM_009108
Protein Refseq	NP_033134
UniProt ID	Q3V1T8

