

Full-Length

NR1H3 (Human) Recombinant Protein (P01)

Catalog # H00010062-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human NR1H3 full-length ORF (AAH08819, 1 a.a. - 387 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSLWLGAPVPDIPDPAVELWKPGAQDASSQAQGGSSCILREEARMPHSAGGTAGVGLEAAEP
TALLTRAEPPEPTEIRPQKRKKGPAPKMLGNELCSVCGDKASGFHYNVLSCEGCKGFFRRSVIK
GAHYICHSGGHCPMDTYMRRKCQECRLRKCQAGMREECVLSEEQIRLKKLKRQEEEAHATSL
PPRASSPPQILQLSPEQLGMIEKLVAQQQCNRFSFSDRLRVTVMLLETSSRYNPGSESITFLKD
FSYNREDFAKAGLQVEFINPIFEFSRAMNELQLNDAEFALLIAISIFSADRPNVQDQLQVERLQHTY
VEALHAYVSIHHPHDRLMFPRMLMKLVSLRTLSSVHSEQVFALRLQDKKLPPLLSEWDVHE

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

68.31

Interspecies Antigen Sequence

Mouse (94); Rat (94)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — NR1H3

Entrez GeneID[10062](#)**GeneBank Accession#**[BC008819](#)**Protein Accession#**[AAH08819](#)**Gene Name**

NR1H3

Gene Alias

LXR-a, LXRA, RLD-1

Gene Description

nuclear receptor subfamily 1, group H, member 3

Omim ID[602423](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

group H

Other Designations

liver X receptor alpha|liver X receptor, alpha|liver X receptor-alpha

Publication Reference

- [Yin and Yang Regulation of Liver X Receptor \$\alpha\$ Signaling Control of Cholesterol Metabolism by Poly\(ADP-ribose\) polymerase 1.](#)

Fengxiao Zhang, Cheng Wang, Yuhan Jiang, Kun Huang, Fangmei Liu, Meng Du, Xi Luo, Dan Huang, Kai Huang.

International Journal of Biological Sciences 2020 Sep; 16(15):2868.

Application: GSA, PI, N/A, Recombinant protein

Pathway

- [PPAR signaling pathway](#)

Disease

- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Dyslipidemias](#)
- [Edema](#)
- [Gallstones](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Hyperlipidemia](#)
- [Kidney Failure](#)
- [Lymphoma](#)
- [Metabolic Syndrome X](#)
- [Obesity](#)