

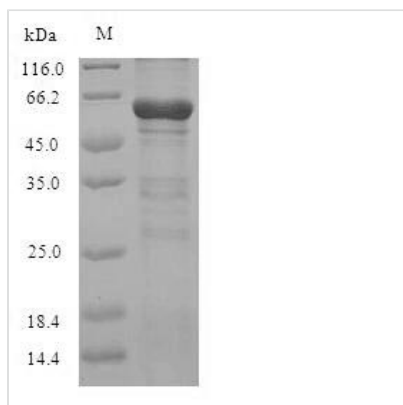


Recombinant Human Oxysterols receptor LXR-alpha (NR1H3)

Product Code	CSB-EP619753HU
Relevance	Nuclear receptor. Interaction with RXR shifts RXR from its role as a silent DNA-binding partner to an active ligand-binding subunit in mediating retinoid responses through target genes defined by LXRES. LXRES are DR4-type response elements characterized by direct repeats of two similar hexanucleotide half-sites spaced by four nucleotides. Plays an important role in the regulation of cholesterol homeostasis, regulating cholesterol uptake through MYLIP-dependent ubiquitination of LDLR, VLDLR and LRP8. Interplays functionally with RORA for the regulation of genes involved in liver metabolism.
Abbreviation	Recombinant Human NR1H3 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q13133
Alias	Liver X receptor alphaNuclear receptor subfamily 1 group H member 3
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MPHSAGGTAGVGLAAEPTALLTRAEPPEPTEIRPQKRKKGPAPKMLGNEL CSVCGDKASGFHYNVLSCEGCKGFFRRSVIKGAHYICHSGGHCPMDTYMRR KCQECRLRKCRQAGMREECVLSEEQIRLKKLKRQEEEAHATSLPPRASSPP QILPQLSPEQLGMIEKLVAQQQCNRRSFSDRLRVTPWPMAPDPHSREARQQ RFAHFTELAIVSVQEIVDFAKQLPGFLQLSREDQIALKTSIEVMLLETSSRRYN PGSESITFLKDFSYNREDFAKAGLQVEFINPIFEFSRAMNELQLNDAEFALLIAIS IFSADRPNVQDQLQVERLQHTYVEALHAYVSIHHPHDLRMFPRMLMKLVSLRT LSSVHSEQVFALRLQDKKLPLLSEIWDVHE
Research Area	Transcription
Source	E.coli
Target Names	NR1H3
Expression Region	1-402a
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	61.7kDa
Protein Length	Full Length of Isoform 3



Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.