

## Recombinant Human FXR1 protein, His-tagged

**Cat. No.** FXR1-543H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human FXR1 protein(P51114)(1-621aa), fused with C-terminal His tag, was expressed in E.coli.                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 1-621aa                                                                                                                                                                                                                                                                                                            |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.                                                                                 |
| <b>Molecular Mass</b>   | 70.5 kDa                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>           | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                        |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                     |
| <b>Reconstitution</b>   | 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. |

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**AA Sequence**

MAELTVEVRGSNGAFYKGFIKDVHEDSLTVVFENNWQPERQVPFNEVRLPPPPDIK  
 KEISEGDEVEVYSRANDQEPCGWWLAKVRMMKGEFYVIEYAACDATYNEIVTFERL  
 RPNVQNKTVKKNTFFKCTVDVPEDLREACANENAHKDFKKAVGACRIFYHPETTQL  
 MILSASEATVKRVNLSDMHLRSIRTKLMLMSRNEEATKHLECTKQLAAAFHEEFVVR  
 EDLMGLAIGTHGSNIQQARKVPGVTAIELDEDTGTFRIYGESADAVKKARGFLEFVED  
 FIQVPRNLVGKVGKNGKVIQEIVDKSGVVRVRIEGDNENKLPREDGMVPFVFGTK  
 ESIGNVQVLLEYHIAYLKEVEQLRMERLQIDEQLRQIGSRSSYSGRGRGRGPNYTS  
 YGTNSELNPNSETESERKDELSDWSLAGEDDRDSRHRQDSRRRPGGRGRSVSGG  
 RGRGGPRGGKSSISSVLKDPDSNPYSLDNTESDQTADTDASESHHSTNRRRRSR  
 RRRRTDEDAVLMDGMTESDTASVNENGLTVADYISRAESQSRQRNLPRETLAKNKK  
 EMAKDVIEEHGPSEKAINGPTSASGDDISKLQRTPGEEKINTLKEENTQEAAVLNGVS

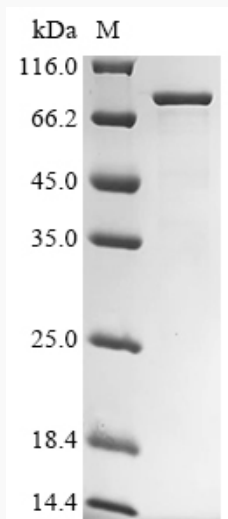
**GENE INFORMATION**

|                        |                                                                                                                                  |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | FXR1 fragile X mental retardation, autosomal homolog 1 [ Homo sapiens ]                                                          |
| <b>Official Symbol</b> | FXR1                                                                                                                             |
| <b>Synonyms</b>        | FXR1; fragile X mental retardation, autosomal homolog 1; fragile X mental retardation syndrome-related protein 1; hFXR1p; FXR1P; |
| <b>Gene ID</b>         | 8087                                                                                                                             |
| <b>mRNA Refseq</b>     | NM_001013438                                                                                                                     |
| <b>Protein Refseq</b>  | NP_001013456                                                                                                                     |
| <b>MIM</b>             | 600819                                                                                                                           |
| <b>UniProt ID</b>      | P51114                                                                                                                           |

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**SDS-PAGE**

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