

## Recombinant Full Length *Xenopus laevis* 7-Dehydrocholesterol Reductase(Dhcr7) Protein, His-Tagged

**Cat. No.** RFL11704XF    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| <b>Product Overview</b> | Recombinant Full Length <i>Xenopus laevis</i> 7-dehydrocholesterol reductase(dhcr7) Protein (Q7ZXH1) (1-473aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | <i>Xenopus laevis</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | <i>E. coli</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | Full Length (1-473)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MGERRRANASRGDKKVANGEKQHVGQWGRAWVDYFSLASVIFLLAFAPLIVYYFV<br>MSCD QYQCALTAPVLDLYSGKARLSIDIWDKTPALTWTAVKIIYLAWVSFQVFLYMFL<br>PDILHKFV PGYEGGVQEGARTPAGLINKYQVNGLQAWTITHLLWFANAYHFHWFSP<br>TIVIDNWIPLLW CANLLGYSVATFALVKANFFPTNANDCKFTGNFFYDYMMGIEFNP<br>RIGKWDFDKLFFNGR PGIVAWTLINLSYAAKQQELYGQVTNSMILVNVLQAIYVVDFF<br>WNESWYLKTIDICHDF GWYLGWGDCVWLPYLYTLQGLYLVYNPVELSTTAAVAVL<br>LLGLIGYYIFRMTNHQKDLFR RTNGNCKIWGKKPKSIECFYVSADGKRHYSKLMISG<br>FWGVARHLNYTGDLMGSLAYCLAC GFDHLLPYFYFIYMTILLVHRCIRDEHRCSSKY<br>GKDWKLYTSAVPYRLLPGLF |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Applications</b>     | SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>          | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>        | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                              |
| <b>Storage Buffer</b> | Tris/PBS-based buffer, 6% Trehalose, pH 8.0                                                                                                                                                                                                                                                                                                                                                                 |
| <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. Our default final concentration of glycerol is 50%. Customers could use it as reference. |

## GENE INFORMATION

|                   |                                                                                   |
|-------------------|-----------------------------------------------------------------------------------|
| <b>Gene Name</b>  | dhcr7                                                                             |
| <b>Synonyms</b>   | dhcr7; 7-dehydrocholesterol reductase; 7-DHC reductase; Sterol Delta(7)-reductase |
| <b>UniProt ID</b> | <a href="#">Q7ZXH1</a>                                                            |

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