

# Recombinant Human CYP3A7 Protein, His-tagged, OVA Conjugated

**Cat. No.** CYP3A7-2798H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | OVA Conjugated Recombinant Human CYP3A7 Protein (Glu494-Ala503) fused with a N-His tag.                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | Protein Conjugation                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | Glu494-Ala503                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | This gene encodes a member of the cytochrome P450 superfamily of enzymes, which participate in drug metabolism and the synthesis of cholesterol, steroids and other lipids. This enzyme hydroxylates testosterone and dehydroepiandrosterone 3-sulphate, which is involved in the formation of estriol during pregnancy. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 1 kDa                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                                    |
| <b>Applications</b>     | Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                 |
| <b>Stability</b>        | 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                                                                                                                                            |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                         |                                                                                                                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.                                                                                                                                                      |
| <b>Storage</b>          | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                        |
| <b>Storage Buffer</b>   | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                             |
| <b>Reconstitution</b>   | Reconstitute in PBS or others.                                                                                                                                                                                                                                                                                      |
| <b>Conjugation</b>      | OVA                                                                                                                                                                                                                                                                                                                 |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                     |
| <b>Gene Name</b>        | CYP3A7 cytochrome P450, family 3, subfamily A, polypeptide 7 [ Homo sapiens ]                                                                                                                                                                                                                                       |
| <b>Official Symbol</b>  | CYP3A7                                                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>         | CYP3A7; cytochrome P450, family 3, subfamily A, polypeptide 7; cytochrome P450, subfamily IIIA, polypeptide 7; cytochrome P450 3A7; CP37; P450 HFLA; cytochrome P450-HFLA; microsomal monooxygenase; xenobiotic monooxygenase; aryl hydrocarbon hydroxylase; flavoprotein-linked monooxygenase; CYP11A7; P450-HFLA; |
| <b>Gene ID</b>          | 1551                                                                                                                                                                                                                                                                                                                |
| <b>mRNA Refseq</b>      | NM_000765                                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>   | NP_000756                                                                                                                                                                                                                                                                                                           |
| <b>MIM</b>              | 605340                                                                                                                                                                                                                                                                                                              |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



UniProt ID

P24462

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA