

Datasheet for ABIN7546733

**Cytochrome P450, Family 2, Subfamily D, Polypeptide 7  
Pseudogene 1 (CYP2D7P1) (AA 1-515) protein (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	Cytochrome P450, Family 2, Subfamily D, Polypeptide 7 Pseudogene 1 (CYP2D7P1)
Protein Characteristics:	AA 1-515
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

## Product Details

Purpose:	Custom-made recombinant CYP2D7 Protein expressed in mammalian cells.
Sequence:	<p>MGLEALVPLA MIVAIFLLL V DLMHRHQRWA ARYPPGPLPL PGLGNLLHVD FQNTPYCFDQ LRRRFGDVFS LQLAWTPVWV LNGLAAVREA MVTRGEDTAD RPPAPIYQVL GFGPRSQGV I LSRYGPAWRE QRRFSVSTLR NLGLGKKSLE QWVTEEAACL CAAFADQAGR PFRPNGLLDK AVSNVIASLT CGRRFEYDDP RFLRLDLAQ EGLKEESGFL REVLNAV PVL PHIPALAGKV LRFQKAFLTQ LDELLTEHRM TWDPAQPPRD LTEAFLAKKE KAKGSPESSF NDENLRIVG NLFLAGMVTT STTLAWGLLL MILHLDVQRG RRVSPGCPV GTHVCPVRVQ QEIDDVIGQV RRPEMGDQAH MPCTTAVIHE VQHFGDIVPL GVTHMTRSRI EVQGFRI PKG TTLITNLSSV LKDEAVWKKP FRFHPEHFLD AQGHFVKPEA FL PFSAGRRA CLGEPLARME LFLFFTSLLQ HFSFSVAAGQ PRPSHSRVVS FLVTPSPYEL CAVPR <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>

## Product Details

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**Specificity:** If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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**Characteristics:** **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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**Purity:** > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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**Grade:** custom-made

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## Target Details

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**Target:** Cytochrome P450, Family 2, Subfamily D, Polypeptide 7 Pseudogene 1 (CYP2D7P1)

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**Alternative Name:** CYP2D7 ([CYP2D7P1 Products](#))

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**Background:** Putative cytochrome P450 2D7 (EC 1.14.14.1),FUNCTION: May be responsible for the metabolism of many drugs and environmental chemicals that it oxidizes. It may be involved in the metabolism of codeine to morphine (PubMed:15051713). However, another study could not confirm it (PubMed:18838503). {ECO:0000269|PubMed:15051713, ECO:0000269|PubMed:18838503}.

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**Molecular Weight:** 57.5 kDa

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**UniProt:** [A0A087X1C5](#)

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## Application Details

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**Application Notes:** We expect the protein to work for functional studies. As the protein has not been tested for

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## Application Details

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functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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