

Datasheet for ABIN7546791 CYP3A7 Protein (AA 1-503) (His tag)



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Quantity:	1 mg
Target:	CYP3A7
Protein Characteristics:	AA 1-503
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CYP3A7 protein is labelled with His tag.

Product Details	
Purpose:	Custom-made recombinant CYP3A7 Protein expressed in mammalian cells.
Sequence:	MDLIPNLAVE TWLLLAVSLI LLYLYGTRTH GLFKKLGIPG PTPLPFLGNA LSFRKGYWTF
	DMECYKKYRK VWGIYDCQQP MLAITDPDMI KTVLVKECYS VFTNRRPFGP VGFMKNAISI
	AEDEEWKRIR SLLSPTFTSG KLKEMVPIIA QYGDVLVRNL RREAETGKPV TLKHVFGAYS
	MDVITSTSFG VSIDSLNNPQ DPFVENTKKL LRFNPLDPFV LSIKVFPFLT PILEALNITV
	FPRKVISFLT KSVKQIKEGR LKETQKHRVD FLQLMIDSQN SKDSETHKAL SDLELMAQSI
	IFIFAGYETT SSVLSFIIYE LATHPDVQQK VQKEIDTVLP NKAPPTYDTV LQLEYLDMVV
	NETLRLFPVA MRLERVCKKD VEINGMFIPK GVVVMIPSYV LHHDPKYWTE PEKFLPERFS
	KKNKDNIDPY IYTPFGSGPR NCIGMRFALV NMKLALVRVL QNFSFKPCKE TQIPLKLRFG
	GLLLTEKPIV LKAESRDETV SGA 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.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

	isoform, please contact us regarding an individual offer.
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.
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC
Grade:	custom-made
Target Details	
Target:	CYP3A7
Alternative Name:	
	CYP3A7 (CYP3A7 Products)
Background:	CYP3A7 (CYP3A7 Products) Cytochrome P450 3A7 (EC 1.14.14.1) (CYPIIIA7) (Cytochrome P450-HFLA)
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Target Details	
	(PubMed:14559847, PubMed:12865317). Mainly hydroxylates all trans-retinoic acid (atRA) to 4-
	hydroxyretinoate and may play a role in atRA clearance during fetal development
	(PubMed:11093772). Also involved in the oxidative metabolism of xenobiotics including
	anticonvulsants (PubMed:9555064). {ECO:0000269 PubMed:11093772,
	ECO:0000269 PubMed:12865317, ECO:0000269 PubMed:14559847,
	ECO:0000269 PubMed:17178770, ECO:0000269 PubMed:9555064}.
Molecular Weight:	57.5 kDa
UniProt:	P24462
Pathways:	Steroid Hormone Biosynthesis
Application Details	
Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for
	functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only
Handling	
Format:	Liquid

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months