

## Product datasheet for **TP508153**

### Cyp7b1 (NM\_007825) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse cytochrome P450, family 7, subfamily b, polypeptide 1 (Cyp7b1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208153 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MQGATTLDAASPGPLALLGLLFAATLLLSALFLLTRRRTRRPREPPLIKGWLPLYLGMALKFFKDPLTFLKT  
LQRQHGDTFTVFLVGKYITFVLNPFQYQYVTKNPKQLSFQKFSSRLSAKAFSVKLLTDDDLNEDVHRAY  
LLLQGKPLDALLEMIQEVKELFESQLLKITDWNTERIFAFCGSLVFEITFATLYGKILAGNKKQIISEL  
RDDFFKFDDMFPYLVSDIPIQLLRNEESMQKKIICKLTSEKVAQMGGQSKIVQERQDLLKRYRHHDDPEI  
GAHHLGFLWASLANTIPAMFWAMYIILRHPEAMEALRDEIDSFLQSTGQKKGPGISVHFTREQLDSLVLCL  
ESTILEVLRLCSYSSIIREVQEDMNLSSLESKSFSLRKGDFVALFPPLIHNDPEIFDAPKEFRFDRFIEDG  
KKKSTFFKGGKRLKTYVMPFGLGTSKCPGRYFAVNEMKLLLIIMLLTYFDLEIIDRKPIGLNHSRMFLGIQ  
HPDSAVSFRYKAKSWRS

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	58.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_031851</a>



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Locus ID:	13123
UniProt ID:	<a href="#">Q60991</a> , <a href="#">Q3USU4</a>
RefSeq Size:	2166
Cytogenetics:	3 4.98 cM
RefSeq ORF:	1524
Synonyms:	AW261589; D3Ertd552e; hct-1
Summary:	Oxysterol 7alpha-hydroxylase that mediates formation of 7-alpha,25-dihydroxycholesterol (7-alpha,25-OHC) from 25-hydroxycholesterol (PubMed:9295351). Plays a key role in cell positioning and movement in lymphoid tissues: 7-alpha,25-dihydroxycholesterol (7-alpha,25-OHC) acts as a ligand for the G protein-coupled receptor GPR183/EBI2, a chemotactic receptor for a number of lymphoid cells (PubMed:22999953).[UniProtKB/Swiss-Prot Function]