

Product datasheet for **TP309534M**

HSD17B7 (NM_016371) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human hydroxysteroid (17-beta) dehydrogenase 7 (HSD17B7), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209534 protein sequence Red =Cloning site Green =Tags(s)

MRKVVLITGASSGIGLALCKRLLAEDDELHLCLACRNMSKAEAVCAALLASHPTAEVTIVQVDVSNLQSV
FRASKELKQRFQRLDCIYLNAGIMPNPQLNIKALFFGLFSRKVIHMFSTAEGLLTQGDKITADGLQEVFE
TNVFGHFILIRELEPLLCHSDNPSQLIWTSSRSARKSNFSLEDFQHSKGKEPYSSSKYATDLLSVALNRN
FNQQGLYSNVACPGTALTNLTYGILPPFIWTLMLPAILLRFFANAFTLTPYNGTEALVWLFHQKPESLN
PLIKYLSATTGFRNYIMTQKMDLDEDTAEKIFYQKLELEKHIRVTIQKTDNQARLSGSL

TRTRPLE**QKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	38 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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:	<u>NP_057455</u>
Locus ID:	51478



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UniProt ID: [P56937](#), [A0A024R913](#)

RefSeq Size: 1533

Cytogenetics: 1q23.3

RefSeq ORF: 1023

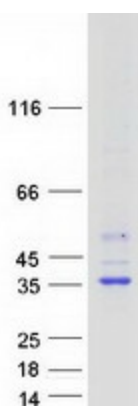
Synonyms: PRAP; SDR37C1

Summary: HSD17B7 encodes an enzyme that functions both as a 17-beta-hydroxysteroid dehydrogenase (EC 1.1.1.62) in the biosynthesis of sex steroids and as a 3-ketosteroid reductase (EC 1.1.1.270) in the biosynthesis of cholesterol (Marijanovic et al., 2003 [PubMed 12829805]).[supplied by OMIM, May 2010]

Protein Families: Druggable Genome

Protein Pathways: Androgen and estrogen metabolism, Metabolic pathways, Steroid biosynthesis

Product images:



Coomassie blue staining of purified HSD17B7 protein (Cat# [TP309534]). The protein was produced from HEK293T cells transfected with HSD17B7 cDNA clone (Cat# [RC209534]) using MegaTran 2.0 (Cat# [TT210002]).