

Product datasheet for PH309534

HSD17B7 (NM_016371) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HSD17B7 MS Standard C13 and N15-labeled recombinant protein (NP_057455)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209534
Predicted MW:	38.2 kDa
Protein Sequence:	>RC209534 protein sequence Red=Cloning site Green=Tags(s) MRKVVLITGASSGIGLALCKRLLAEDDELHLCLACRNMSKAEAVCAALLASHPTAEVTIVQVDVSNLQSV FRASKELKQRFQRLDCIYLNAGIMPNPQLNIKALFFGLFSRKVIHMFSTAEGLLTQGDKITADGLQEVFE TNVFGHFILIRELEPLLCHSDNPSQLIWTSSRSARKSNFSLEDFQHSKGKEPYSSSKYATDLLSVALNRN FNQQGLYSNVACPGTALTNLTYGILPPFIWTLMPAILLLRFFANAFTLTPYNGTEALVWLFHQKPESLN PLIKYLSATTGFGRNYIMTQKMDLEDTAEKFYQKLELEKHIRVTIQKTDNQARLSGSCL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_057455</u>
RefSeq Size:	1533
RefSeq ORF:	1023
Synonyms:	PRAP; SDR37C1
Locus ID:	51478



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

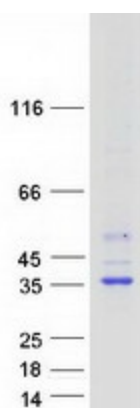
Cytogenetics: 1q23.3

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]).