

## Product datasheet for **TP309534**

### **HSD17B7 (NM\_016371) Human Recombinant Protein**

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human hydroxysteroid (17-beta) dehydrogenase 7 (HSD17B7), 20 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC209534 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MRKVVLITGASSGIGLALCKRLLAEDDELHLCLACRNMSKAEAVCAALLASHPTAEVTIVQVDVSNLQSV  
FRASKELKQRFQRLDCIYNAGIMPNPQLNIKALFFGLFSRKVIHMFSTAEGLLTQGDKITADGLQEVFE  
TNVFGHFILIRELEPLLCHSDNPSQLIWTSSRSARKSNFSLEDFQHSKGKEYSSSKYATDLLSVALNRN  
FNQQGLYSNVACPGTALTNLTYGILPPFIWTLMLPAILLRFFANAFTLTPYNGTEALVWLFHQKPESLN  
PLIKYLSATTGFGFRNYIMTQKMDLDEDTAEKFYQKLLELEKHIRVTIQKTDNQARLSGSC

**TR**TRPLE**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:** [NP\\_057455](#)  
**Locus ID:** 51478



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UniProt ID: [P56937](#)

RefSeq Size: 1533

Cytogenetics: 1q23.3

RefSeq ORF: 1023

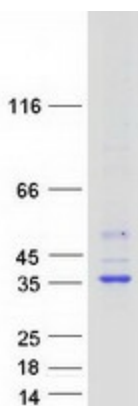
Synonyms: PRAP; SDR37C1

**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]).