

## Product datasheet for **TP303293M**

### **HSD17B2 (NM\_002153) Human Recombinant Protein**

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Recombinant protein of human hydroxysteroid (17-beta) dehydrogenase 2 (HSD17B2), 100 µg |
| Species:                              | Human   |
| Expression Host:                      | HEK293T   |
| Expression cDNA Clone or AA Sequence: | >RC203293 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)            |

MSTFFSDTAWICLAVPTVLCGTVFCKYKKSSGQLWSWMVCLAGLCAVCLLILSPFWGLILFSVSCFLMYT  
YLSGQELLPVDQKAVLVTGGDCGLGHALCKYLDELGFTVFAGVLNENGPGEELRRTCSPRLSVLQMDIT  
KPVQIKDAYSKVAAMLQDRGLWAVINNAGVLGFPTDGELLMTDYKQCAVNFVGTVEVTKTFLPLLRS  
KGRLVNVSSMGGGAPMERLASYGSSKAAVTMFSSVMRLELSKWGIKVASIQPGGFLTNIAGTSDKWEKLE  
KDILDHLPAEVQEDYGQDYILAQRNLLLLINSLASKDFSPVLRDIQHAILAKSPFAYYTPGKGAYLWICL  
AHYLPIGIYDYFAKRHFGQDKPMPRALRMPNYKKKAT

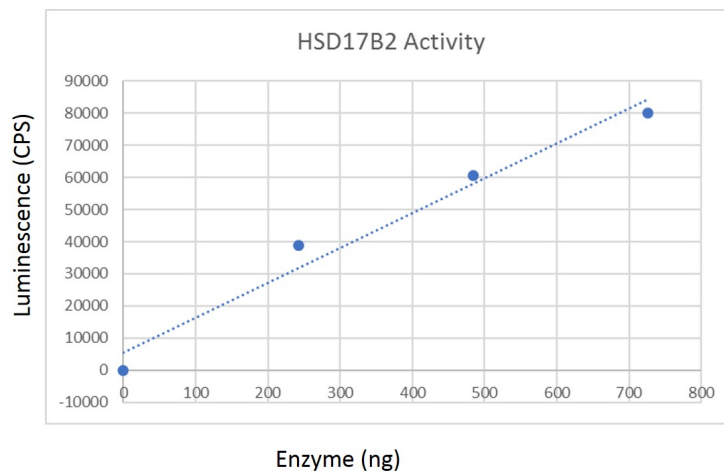
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

|                |  |
|----------------|--|
| Tag:           | C-Myc/DDK  |
| Predicted MW:  | 42.6 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:        | <a href="#">NP_002144</a>  |
| Locus ID:      | 3294   |

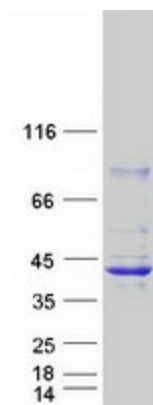


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|                   |   |
|-------------------|---|
| UniProt ID:       | <a href="#">P37059</a>  |
| RefSeq Size:      | 1451  |
| Cytogenetics:     | 16q23.3   |
| RefSeq ORF:       | 1161  |
| Synonyms:         | EDH17B2; HSD17; SDR9C2  |
| Summary:          | Capable of catalyzing the interconversion of testosterone and androstenedione, as well as estradiol and estrone. Also has 20-alpha-HSD activity. Uses NADH while EDH17B3 uses NADPH.[UniProtKB/Swiss-Prot Function] |
| Protein Families: | Druggable Genome, Transmembrane   |
| Protein Pathways: | Androgen and estrogen metabolism, Metabolic pathways  |

**Product images:**


HSD17B2 enzymatic activity with 75µM β-estradiol as a substrate, measured by NADH production (indicated by luminescence).



Coomassie blue staining of purified HSD17B2 protein (Cat# [TP303293]). The protein was produced from HEK293T cells transfected with HSD17B2 cDNA clone (Cat# [RC203293]) using MegaTran 2.0 (Cat# [TT210002]).