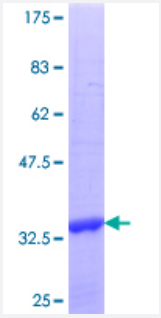
HSD17B7 (Human) Recombinant Protein (Q01)

Catalog # H00051478-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HSD17B7 partial ORF (NP_057455.1, 255 a.a. - 341 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	NAFTLTPYNGTEALVWLFHQKPESLNPLIKYLSATTGFGRNYIMTQKMDLDEDTAEKFYQKLLELEK HIRVTIQKTDNQARLSGSCL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.31
Interspecies Antigen Sequence	Mouse (74); Rat (75)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — HSD17B7

Entrez GeneID	51478
GeneBank Accession#	NM_016371
Protein Accession#	NP_057455.1
Gene Name	HSD17B7
Gene Alias	MGC12523, MGC75018, PRAP, SDR37C1
Gene Description	hydroxysteroid (17-beta) dehydrogenase 7
Omim ID	606756
Gene Ontology	Hyperlink
Gene Summary	The 17-beta-hydroxysteroid dehydrogenase enzyme (EC 1.1.1.62) oxidizes or reduces estrogens and androgens in mammals and regulates the biologic potency of these steroids.[supplied by OMIM
Other Designations	17 beta-hydroxysteroid dehydrogenase type VII|17beta hydroxysteroid dehydrogenase|OTTHUMP00000032328|short chain dehydrogenase/reductase family 37C, member 1

Pathway

- Androgen and estrogen metabolism
- Biosynthesis of alkaloids derived from terpenoid and polyketide
- Metabolic pathways
- Steroid biosynthesis

Disease

- Breast cancer
- Breast Neoplasms
- Genetic Predisposition to Disease
- Hypertension
- Infection
- Inflammation
- Ovarian cancer
- Ovarian Neoplasms
- Premature Birth