

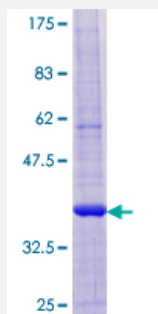
Full-Length

HSD17B12 (Human) Recombinant Protein (P01)

Catalog # H00051144-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HSD17B12 full-length ORF (AAH12536.1, 1 a.a. - 98 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MESALPAAGFLYWVGAGTVAYLALRISYSLFTALRVWGVGNEAGVGPGGLGEWAVVTGSTDGIGK SYAEELAKHGMKVVLISRSKDKLDQVSSEISNYT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.7
Interspecies Antigen Sequence	Mouse (79); Rat (78)
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 — HSD17B12

Entrez GeneID	51144
GeneBank Accession#	BC012536.1
Protein Accession#	AAH12536.1
Gene Name	HSD17B12
Gene Alias	KAR, SDR12C1
Gene Description	hydroxysteroid (17-beta) dehydrogenase 12
Omim ID	609574
Gene Ontology	Hyperlink
Gene Summary	The enzyme 17-beta hydroxysteroid dehydrogenase-12 (HSD17B12) uses NADPH to reduce 3-ketoacyl-CoA to 3-hydroxyacyl-CoA during the second step of fatty acid elongation.[supplied by OMIM]
Other Designations	17beta-HSD type 12 3-ketoacyl-CoA reductase short chain dehydrogenase/reductase family 12C , member 1 steroid dehydrogenase homolog

Pathway

- [Androgen and estrogen metabolism](#)
- [Biosynthesis of unsaturated fatty acids](#)
- [Metabolic pathways](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Narcolepsy](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)