

Recombinant Human 3-alpha(17-beta)-hydroxysteroid dehydrogenase protein, His-tagged

Cat. No. HSD17B6-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human 3-alpha(17-beta)-hydroxysteroid dehydrogenase protein with C-terminal His6 fusion tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	307
Description	The protein encoded by this gene has both oxidoreductase and epimerase activities and is involved in androgen catabolism. The oxidoreductase activity can convert 3 alpha-adiol to dihydrotestosterone, while the epimerase activity can convert androsterone to epi-androsterone. Both reactions use NAD ⁺ as the preferred cofactor. This gene is a member of the retinol dehydrogenase family
Form	Buffered aqueous solution
Molecular Mass	35 kDa
AA Sequence	RLSTVRAADTIIGFEHGTAVERGTHEELLERKGVYFTLVTLQSQGNQALNEEDIKDAT EDDMLARTFSRGSYQDSLRLASIRQRSKSQLSYLVHEPPLAVVDHKSTYEEDRKDKDI PVQEEVEPAPVRRILK
Purity	> 90% by SDS-PAGE

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Applications	Catalytic dehydrogenation of hydroxysteroids
Storage	Store it under sterile conditions at -20 to -80 °C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	0.145 mg/mL
Storage Buffer	Solution in 50mM Tris-HCl, 0.3 M NaCl, pH8.0, 0.05% Sodium Lauroyl Sarcosinate

GENE INFORMATION

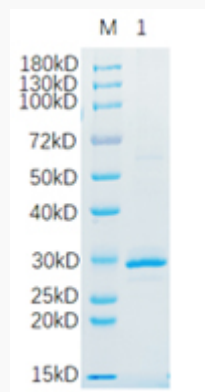
Gene Name	hydroxysteroid 17-beta dehydrogenase 6 [Homo sapiens (human)]
Official Symbol	HSD17B6
Synonyms	HADH2;Endoplasmic Reticulum-Associated Amyloid Beta-Peptide-Binding Protein;3-Hydroxy-2-Methylbutyryl-CoA Dehydrogenase;AB-Binding Alcohol Dehydrogenase
Gene ID	8630
mRNA Refseq	NM_003725.4
Protein Refseq	NP_003716
UniProt ID	Q3T001

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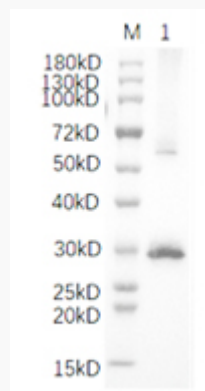
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SDS-PAGE



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