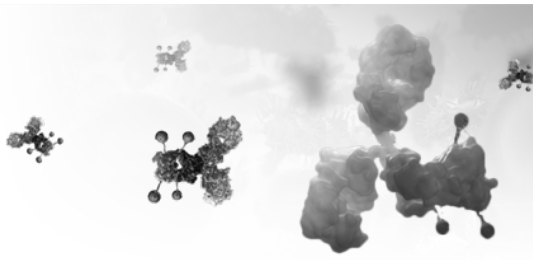

Native 3 a-Hydroxysteroid Dehydrogenase (DAG-WT1263)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	One unit is defined as the amount of enzyme which oxidizes 1 µmole of cholic acid to 3 –oxocholic acid per minute at 37°C under the conditions specified in the assay procedure.
Conjugate	N/A
Applications	Enzymatic cycling determination
Molecular Weight	41 kDa
Format	Lyophilized powder
Size	1 KU
Buffer	Enzyme dilution buffer
Storage	Store at -20°C

BACKGROUND

Introduction	3α-Hydroxysteroid dehydrogenase (3α-HSD or aldo-keto reductase family 1 member C4) is an enzyme that in humans is encoded by the AKR1C4 gene. It is known to be necessary for the synthesis of the endogenous neurosteroids allopregnanolone, THDOC, and 3α-androstanediol. It is also known to catalyze the reversible conversion of 3α-androstanediol (5α-androstane-3 α,17β-diol) to dihydrotestosterone (DHT, 5α-androstan-17β-ol-3-one) and vice versa.
Keywords	3α-Hydroxysteroid dehydrogenase; 3α-HSD; aldo-keto reductase family 1 member C4

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