Recombinant Human 3alpha-Hydroxysteroid Dehydrogenase (3alpha-HSD)

Cat. No. 3alpha-HSD-201H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human 3alpha-Hydroxysteroid Dehydrogenase (3alpha-HSD) is expressed in E. coli. It is a recombinant enzyme with a CAS number of 9028-56-2 and EC number 1.1.1.50.
Species	Human
Source	E.coli
Description	3alpha-Hydroxysteroid Dehydrogenase (3alpha-HSD) catalyzes the reversible oxidation of 3alpha-hydroxysteroids to 3-oxosteroids using NAD+ as cofactor. It plays important roles in steroid hormone metabolism and biosynthesis.
Form	Lyophilized powder
Bio-activity	Specific activity: ≥100 U/mg protein (actual: 150 U/mg protein); Activity: ≥10 U/mg solid (actual: 20 U/mg solid)
Purity	>90%
Storage	-20°C; Stability: At least 2 years
EC	1.1.1.50
CAS	9028-56-2

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Unit definition	In the presence of β-NAD+, at pH 8.9 and 25°C, one unit can oxidize 1.0 μmole of androstenedione per minute.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA