

# Recombinant Human HSD11B1

Catalog No: #GP11635



Package Size: #GP11635-1 100ug

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## Description

Product Name	Recombinant Human HSD11B1
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 25-292 amino acids of human HSD11B1
Target Name	hydroxysteroid 11-beta dehydrogenase 1
Other Names	HDL; 11-DH; HSD11; HSD11B; HSD11L; CORTRD2; SDR26C1; 11-beta-HSD1
Accession No.	Swissprot:P28845Gene Accession:BC012593
Uniprot	P28845
GeneID	3290;
Storage	-20~-80°C, pH 7.6 PBS

## Background

The protein encoded by this gene is a microsomal enzyme that catalyzes the conversion of the stress hormone cortisol to the inactive metabolite cortisone. In addition, the encoded protein can catalyze the reverse reaction, the conversion of cortisone to cortisol. Too much cortisol can lead to central obesity, and a particular variation in this gene has been associated with obesity and insulin resistance in children. Mutations in this gene and H6PD (hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)) are the cause of cortisone reductase deficiency. Alternate splicing results in multiple transcript variants encoding the same protein.

## References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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