

HSD11B1 Protein, Human, Recombinant (His & SUMO)

General Information

Synonyms:	7-oxosteroid reductase;11-DH;Short chain dehydrogenase/reductase family 26C member 1; SDR26C1;Corticosteroid 11-beta-dehydrogenase isozyme 1;11-beta-hydroxysteroid dehydrogenase 1;11-beta-HSD1;HSD11B1;HSD11L;HSD11
Protein Construction:	25-292 aa
Species:	Human
Expression Host:	E. coli
Accession:	P28845
Molecular Weight:	45.5 kDa (predicted)
AA Sequence:	EEFRPEMLQGKKVIVTGASKGIGREMAHYHLAKMGAHVVVTARSKETLQKVVSHCLELGAASAHYIAGTMEDM TFAEQFVAQAGKLMGGLDMLILNHITNTSLNLFHDDIHHVRKSMEVNFLSYVVLTVAAALPMLKQSNHSIVVVS SLAGKVAYPMVAAYSASKFALDGGFFSSIRKEYSVSRVNVISITLCVLGLIDTETAMKAVSGIVHMQAAPKEECAL EIIKGGALRQEEVYYDSSLWTLLIRNPCRKILEFLYSTSYNMDRFINK

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Catalyzes reversibly the conversion of cortisol to the inactive metabolite cortisone. Catalyzes reversibly the conversion of 7-ketocholesterol to 7-beta-hydroxycholesterol. In intact cells, the reaction runs only in one

direction, from 7-ketocholesterol to 7-beta-hydroxycholesterol.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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