

## HSD17B11 Protein, Human, Recombinant (His &amp; Myc)

## General Information

Synonyms:	17-beta-hydroxysteroid dehydrogenase XI (17-beta-HSD XI;17betaHSDXI); Dehydrogenase/reductase SDR family member 8;PAN1B;DHRS8;Short chain dehydrogenase/reductase family 16C member 2;SDR16C2;17-beta-hydroxysteroid dehydrogenase 11 (17-beta-HSD 11;17bHSD11;17betaHSD11);Cutaneous T-cell lymphoma-associated antigen HD-CL-03 (CTCL-associated antigen HD-CL-03);Retinal short-chain dehydrogenase/reductase 2 (retSDR2);Estradiol 17-beta-dehydrogenase 11;HSD17B11
Protein Construction:	20-300 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q8NBQ5
Molecular Weight:	35.8 kDa (predicted)
AA Sequence:	ESFVKLFIKRRKSVTGEIVLITGAGHGIGRLTAYEFAKLKSKLVLDINKHGLEETAACKKGLGAKVHTFVDC SNREDIYSSAKKVKAEIGDVSILVNNAGVVYTSDFATQDPQIEKTFEVNLAHFWTTKAFLPAMTKNNHGHI VTVASAAGHVSPFLLAYCSSKFAAVGFHKTLTDELAALQITGVKTTCLCPNFVNTGFIKPNSTSLGPTLEPEEV VNRLMHGILTEQKMIFIPSSIAFLTTLERILPERFLAVLKQKISVKFDAVIGYKMKQAQ

## 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:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

## Preparation and Storage

## Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

## Stability &amp; 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**

Can convert androstan-3-alpha,17-beta-diol (3-alpha-diol) to androsterone in vitro, suggesting that it may participate in androgen metabolism during steroidogenesis. May act by metabolizing compounds that stimulate steroid synthesis and/or by generating metabolites that inhibit it. Has no activity toward DHEA (dehydroepiandrosterone), or A-dione (4-androste-3,17-dione), and only a slight activity toward testosterone to A-dione. Tumor-associated antigen in cutaneous T-cell lymphoma.

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