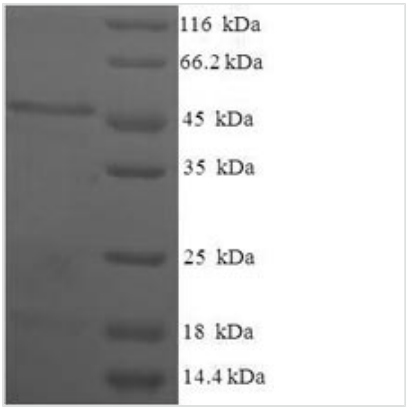
Recombinant Human Estradiol 17-beta-dehydrogenase 11(HSD17B11)

Product Code	CSB-EP843318HU
Relevance	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.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q8NBQ5
Storage Buffer	Tris-based buffer,50% glycerol
Alias	17-beta-hydroxysteroid dehydrogenase 11 ;17-beta-HSD 11 ;17bHSD11 ;17betaHSD1117-beta-hydroxysteroid dehydrogenase XI ;17-beta-HSD XI ;17betaHSDXICutaneous T-cell lymphoma-associated antigen HD-CL-03 ;CTCL-associated antigen HD-CL-03Dehydrogenase/reductase SDR family member 8Retinal short-chain dehydrogenase/reductase 2 ;retSDR2Short chain dehydrogenase/reductase family 16C member 2
Product Type	Recombinant Protein
Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	ESFVKLFIPKRRKSVTGEIVLITGAGHGIGRLTAYEFAKLKSKLVLWDINKHGLE ETAAKCKGLGAKVHTFVVDCSNREDIYSSAKKVKAEIGDVSILVNNAGVVYTSD LFATQDPQIEKTFEVNVLAHFWTTKAFLPAMTKNNHGHIVTVASAAGHVSVPFL LAYCSSKFAAVGFHKTLTDELAALQITGVKTTCLCPNFVNTGFIKNPSTSLGPTL EPEEVVNRLMHGILTEQKMIFIPSSIAFLTTLERILPERFLAVLKQKISVKFDAVIG YKMKAQ
Research Area	Metabolism
Source	E.coli
Gene Names	HSD17B11
Expression Region	20-300aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged

Mol. Weight	46.8kDa
Protein Description	Full Length of Mature Protein

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.