

# Recombinant human Estradiol 17-beta-dehydrogenase 11

Catalog No: #AP71445

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Package Size: #AP71445-1 20ug #AP71445-2 100ug #AP71445-3 1mg

## Description

Product Name	Recombinant human Estradiol 17-beta-dehydrogenase 11
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:20-300aaSequence Info:Full Length
Other Names	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
Accession No.	Q8NBQ5
Uniprot	Q8NBQ5
GeneID	51170;
Calculated MW	46.8 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	ESFVKLFIPKRRKSVTGEIVLITGAGHGIGRLTAYEFAKLKSKLVLDINKHGLEETAACKKGLGAKVHTFVVDC SNREDIYSSAKKVKAEIGDVSILVNNAGVVYTSDFATQDPQIEKTFEVNVLAHFWTTKAFLPAMTKNNHGHIVT VASAAGHVSVPFLLAYCSSKFAAVGFHKTLTDELAALQITGVKTTCLCPNFVNTGFIKPNPSTSLGPTLEPEEVN RLMHGILTEQKMIFIPSSIAFLTTLERILPERFLAVLKQKISVKFDDAVIGYKMKQAQ
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## 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.

## References

Generation and annotation of the DNA sequences of human chromosomes 2 and 4.Hillier L.W., Graves T.A., Fulton R.S., Fulton L.A., Pepin K.H., Minx P., Wagner-McPherson C., Layman D., Wylie K., Sekhon M., Becker M.C., Fewell G.A., Delehaunty K.D., Miner T.L., Nash W.E., Krenitzki C.,

Oddy L., Du H. , Sun H., Bradshaw-Cordum H., Ali J., Carter J., Cordes M., Harris A., Isak A., van Brunt A., Nguyen C., Du F., Courtney L., Kalicki J., Ozersky P., Abbott S., Armstrong J., Belter E.A., Caruso L., Cedroni M., Cotton M., Davidson T., Desai A., Elliott G., Erb T., Fronick C., Gaige T., Haakenson W., Haglund K., Holmes A., Harkins R., Kim K., Kruchowski S.S., Strong C.M., Grewal N., Goyea E., Hou S., Levy A., Martinka S., Mead K., McLellan M.D., Meyer R., Randall-Maher J., Tomlinson C., Dauphin-Kohlberg S., Kozlowicz-Reilly A., Shah N., Swearengen-Shahid S., Snider J., Strong J.T., Thompson J., Yoakum M., Leonard S., Pearman C., Trani L., Radionenko M., Waligorski J.E., Wang C., Rock S.M., Tin-Wollam A.-M., Maupin R., Latreille P., Wendl M.C., Yang S.-P., Pohl C., Wallis J.W., Spieth J., Bieri T.A., Berkowicz N., Nelson J.O., Osborne J., Ding L., Meyer R., Sabo A., Shotland Y., Sinha P., Wohldmann P.E., Cook L.L., Hickenbotham M.T., Eldred J., Williams D., Jones T.A., She X., Ciccarelli F.D., Izaurrealde E., Taylor J., Schmutz J., Myers R.M., Cox D.R., Huang X., McPherson J.D., Mardis E.R., Clifton S.W., Warren W.C., Chinwalla A.T., Eddy S.R., Marra M.A., Ovcharenko I., Furey T.S., Miller W., Eichler E.E., Bork P., Suyama M., Torrents D., Waterston R.H., Wilson R.K. Nature 434:724-731(2005) Research Topic: Metabolism

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Note: This product is for in vitro research use only