

Recombinant human Estrogen receptor beta

Catalog No: #AP72551



Package Size: #AP72551-1 20ug #AP72551-2 100ug #AP72551-3 1mg

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Recombinant human Estrogen receptor beta
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-530aaSequence Info:Partial
Other Names	Nuclear receptor subfamily 3 group A member 2
Accession No.	Q92731
Uniprot	Q92731
GenID	2100;
Calculated MW	61.1 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	DIKNSPSSLNSPSSYNCSQSILPLEHGSYIPSSYVDSHHEYPAAMTFYSPAVMNYISIPSNVTNLEGGPGRQTTS PNVLWPTPGHLSPLVVHRQLSHLYAEPQKSPWCEARSLEHTLPVNRETLKRKVSNGRCASPVTGPGSKRDA HFCAVCSDYASGYHYGVWVWCEGCKAFFKRSIQGHNDYICPATNQCTIDKNRRKSCQACRLRKCYEVMVKC GSRRERCGYRLVRRQRSADQLHCAGKAKRSGGHAPRVRELLLDALSPEQLVLTLEAEPHVLISRPSAPFT EASMMMLTKLADKELVHMISWAKKIPGFVELSLFDQVRLLESCWMEVLMMLMWRSIDHPGKLIAPDLVLD RDEGKCVEGILEIFDMLLATTSRFRELKQLHKEYLCVKAMILLNSSMYPLVTATQDADSSRKLHLLNAVTDALV WVIAKSGISSQQSMRLANLLMLLSHVRHASNKGMEHLLNMKCKNVVPVYDILLEMLNAHVLRGCKSSITGSE CSPAEDSKSKEGSQNPQSQ
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

Nuclear hormone receptor. Binds estrogens with an affinity similar to that of ESR1, and activates expression of reporter genes containing estrogen response elements (ERE) in an estrogen-dependent manner. Isoform beta-cx lacks ligand binding ability and has no or only very low estrogen binding activity resulting in the loss of ligand-dependent transactivation ability. DNA-binding by ESR1 and ESR2 is rapidly lost at 37 degrees Celsius in the absence of ligand while in the presence of 17 beta-estradiol and 4-hydroxy-tamoxifen loss in DNA-binding at elevated temperature is more gradual.

References

The DNA sequence and analysis of human chromosome 14.Heilig R., Eckenberg R., Petit J.-L., Fonknechten N., Da Silva C., Cattolico L., Levy M., Barbe V., De Berardinis V., Ureta-Vidal A., Pelletier E., Vico V., Anthouard V., Rowen L., Madan A., Qin S., Sun H., Du H., Pepin K., Artiguenave F., Robert C., Cruaud C., Bruels T., Jaillon O., Friedlander L., Samson G., Brottier P., Cure S., Segurens B., Aniere F., Samain S., Crespeau H., Abbasi N., Aiach N., Boscus D., Dickhoff R., Dors M., Dubois I., Friedman C., Gouyvenoux M., James R., Madan A., Mairay-Estrada B., Mangenot S., Martins

N., Menard M., Oztas S., Ratcliffe A., Shaffer T., Trask B., Vacherie B., Bellemere C., Belser C., Besnard-Gonnet M., Bartol-Mavel D., Boutard M., Briez-Silla S., Combette S., Dufosse-Laurent V., Ferron C., Lechaplais C., Louesse C., Muselet D., Magdelenat G., Pateau E., Petit E., Sirvain-Trukniewicz P., Trybou A., Vega-Czarny N., Bataille E., Bluet E., Bordelais I., Dubois M., Dumont C., Guerin T., Haffray S., Hammadi R., Muanga J., Pellouin V., Robert D., Wunderle E., Gauguet G., Roy A., Sainte-Marthe L., Verdier J., Verdier-Discala C., Hillier L.W., Fulton L., McPherson J., Matsuda F., Wilson R., Scarpelli C., Gyapay G., Wincker P., Saurin W., Quetier F., Waterston R., Hood L., Weissenbach J. Nature 421:601-607(2003) Research Topic: Transcription

Note: This product is for in vitro research use only