



Recombinant Rat Estrogen receptor beta (Esr2)

Product Code	CSB-YP733851RA
Abbreviation	Esr2
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.	Q62986
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MEIKNSPSSL SSPASYNCSQ SILPLEHGPI YIPSSYVDNR HEYSAMTFYS PAVMNYSVPG STSNLDGGPV RLSTSPNVLW PTSGHLSPLA THCQSLLYA EPQKSPWCEA RSLEHTLPVN RETLKRKLSG SSCASPV TSP NAKRDAHFCP VCSDYASGYH YGVWSCEGCK AFFKRSIQGH NDYICPATNQ CTIDKNRRKS CQACRLRKCY EVGMVKCGSR RERCGYRIVR RQRSSEQVH CLSKAKRNGG HAPRVKELL STLSPEQLVL TLLEAEPNV LVS RPSMPFT EASMMMSLTK LADKELVHMI GWAKKIPGFV ELSLLDQVRL LESCWMEVLM VGLMWRSIDH PGKLIFAPDL VLDRDEGKCV EGILEIFDML LATTSRFREL KLQHKEYLCV KAMILLNSSM YPLASANQEA ESSRKLTHLL NAVTDALVWV IAKSGISSQQ QSVRLANLLM LLSHVRHISN KGMEHLLSMK CKNVVPVYDL LLEMLNAHTL RGYKSSISGS ECSSTEDSKN KESSQNLQSQ
Source	Yeast
Target Names	Esr2
Protein Names	Recommended name: Estrogen receptor beta Short name= ER-beta Alternative name(s): Nuclear receptor subfamily 3 group A member 2
Expression Region	1-530
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This gene encodes a member of the family of estrogen receptors and superfamily of nuclear receptor transcription factors. The gene product contains an N-terminal DNA binding domain and C-terminal ligand binding domain and is localized to the nucleus, cytoplasm, and mitochondria. Upon binding to 17beta-estradiol or related ligands, the encoded protein forms homo- or hetero-dimers that interact with specific DNA sequences to activate transcription. Some isoforms dominantly inhibit the activity of other estrogen receptor family members. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not



been fully characterized.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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.