



# Recombinant Mouse Estrogen receptor beta (Esr2)

<b>Product Code</b>	CSB-BP007831MO
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O08537
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MEIKNSPSSL TSPASYNCSQ SILPLEHGPI YIPSSYVESR HEYSAMTFYS PAVMNYSVPS STGNLEGGPV RQTASPNVLW PTSGHLSP LA THCQSSLLYA EPQKSPWCEA RSLEHTLPVN RETLKRKLG G SGCASPVTSP SAKRDAHFC A VCSDYASGYH YGVWSCEGCK AFFKRSIQGH NDYICPATNQ CTIDKNRRKS CQACRLRKC Y EVGMVKCGSR RERCGYRIVR RQRSASEQVH CLNKAKRTSG HTPRVKELLL NLSPEQLVL TLLEAEPNV LVS RPSMPFT EASMMSLTK LADKELVHMI GWAKKIPGFV ELSLLDQVRL LESCWMEVLM VGLMWRSIDH PGKLIFAPDL VLDRDEGKCV EGILEIFDML LATTARFREL KLQHKEYLCV KAMILLNSSM YPLATASQEA ESSRKLTHLL NAVTDALVWV ISKSGISSQQ QSVRLANLLM LLSHVRHISN KGMEHLLSMK CKNVVPVYDL LLEMLNAHTL RGYKSSISGS ECCSTEDSKS KEGSQNLQSQ
<b>Source</b>	Baculovirus
<b>Target Names</b>	Esr2
<b>Protein Names</b>	Recommended name: Estrogen receptor beta Short name= ER-beta Alternative name(s): Nuclear receptor subfamily 3 group A member 2
<b>Expression Region</b>	1-530
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.