

Product datasheet for **TP727107**

Estrogen Receptor 1 (ESR1) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Estrogen Receptor α /ER α /NR3A1 (N-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Met1-Gln116
Tag:	N-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM Tris-HCl,150mM NaCl,1mM EDTA,pH7.4.
Note:	Recombinant Human Estrogen receptor alpha is produced by our E.coli expression system and the target gene encoding Met1-Gln116 is expressed with a 6His tag at the N-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	2099
UniProt ID:	P03372
Synonyms:	Estrogen Receptor; ER; ER-Alpha; Estradiol Receptor; Nuclear Receptor Subfamily 3 Group A Member 1; ESR1; ESR; NR3A1
Summary:	Estrogen Receptor is a major ligand-activated transcription factor belonging to the nuclear hormone receptor superfamily. Estrogen Receptor is composed of several domains important for hormone binding, DNA binding, and activation of transcription. The protein localizes to the nucleus where it may form a homodimer or a heterodimer with estrogen receptor 2. Estrogen and its receptors are essential for sexual development and reproductive function, but they also play a role in other tissues such as bone. Estrogen receptors are also involved in pathological processes including breast cancer, endometrial cancer, and osteoporosis. Alternative splicing results in several transcript variants, which differ in their 5' UTRs and use different promoters.
Protein Families:	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors



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