

### 32-9169: Recombinant Human ER alpha (N-His)

**Alternative Name :** Estrogen Receptor; ER; ER-Alpha; Estradiol Receptor; Nuclear Receptor Subfamily 3 Group A Member 1; ESR1; ESR; NR3A1

#### Description

Source : E.coli;

Estrogen Receptor is a major ligand-activated transcription factor that belongs to the nuclear hormone receptor superfamily. It is widely expressed and acts as a strong activator of estrogen-responsive genes. Estrogen Receptor is composed of several domains essential 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 necessary 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.

#### Product Info

**Amount :** 500 µg / 50 µg

**Content :** Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

**Amino Acid :** 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.