



Recombinant Human ESR1 Protein Product Manual

1. Product Basic Information

Product No.: REP06803

Protein Name: E2 Receptor Alpha (ESR1)

Aliases: ER; ESR; Era; ESRA; ESTRR; NR3A1; ER-alpha; E2 receptor alpha; estrogen receptor; estradiol receptor; estrogen receptor oestrogen receptor alpha; estrogen nuclear receptor alpha

UniProt ID: P03372

UniProt Link: <https://www.uniprot.org/uniprotkb/P03372/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Partial (10-595aa)

Molecular Weight: 67.2kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (10-595aa)

SGMALLHQIQGNELEPLNRPQLKIPLERPLGEVYLDSSKPAVYNYPEGAAYEFNAAA
AANAQVYGQTGLPYGPGSEAAAFGSNGLGGFPPLNSVSPSPLMLLHPPPQLSPFL
QPHGQQVPYYLENESGYTVREAGPPAFYRPNSDNRRQGGRERLASTNDKGSMA
MESAKETRYCAVCNDYASGYHYGVWSCEGCKAFFKRSIQGHNDYMCPATNQCTI
DKNRRKSCQACRLRKCYEVGMMKGGIRKDRRGGRMLKHKRQRDDGEGRGEVGS
AGDMRAANLWPSPLMIKRSKKNLALSLTADQMVSALLDAEPPILYSEYDPTRPFSE
ASMMGLLTNLADRELVHMINWAKRVPGFVDLTLHDQVHLLECAWLEILMIGLVWRS
MEHPGKLLFAPNLLLDNRNQGKCVEGMVEIFDMLLATSSRFRMMNLQGEEFVCLKSII
LLNSGVYTFLSSTLKSLEEKDHIHRVLDKITDTLIHLMAKAGLTLQQQHQRQAQLLLIL
SHIRHMSNKGMEHLYSMKCKNVVPLYDLLLEMLDAHRLHAPTSRGGASVEETDQS
HLATAGSTSSHSLQKYYITGEAEGFPATV

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements)

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human ESR1 partial protein (10-595aa) expressed in Yeast. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. ESR1, also known as ER or ESR or Era, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.