

Recombinant Full Length Human ESR2 Protein, GST-tagged

Cat. No. ESR2-4721HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ESR2 full-length ORF (AAH24181, 1 a.a. - 323 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	323 amino acids
Description	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. [provided by RefSeq, Jul 2008]
Molecular Mass	61.27 kDa
AA Sequence	MDIKNSPSSLNSPSSYNCSQSILPLEHGSIIYIPSSYVDSHHEY PAMTFYSPAVMNYSI PSNVTNLEGGPGRQTTSPNVLWPTPGHLSPLVVHRQLSHLYAEPQKSPRCEARSLE HTLPVNRETLKRKVSGNRCASPTGPGSKRDAHFCAVCS DYASGYHYGVWSCEG CKAFFKRSIQGHNDYICPATNQCTIDKNRRKSCQACRLRKCYEVGMVKCGSRRERC

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GYRLVRRQRSADQLHCAGKAKRSGGHAPRVRELLLDALSPEQLVLTLLAEPPHV
LISRPSAPFTEASMMMSLTKLADKELVHMISWAKKIPGMRGNA

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[ESR2 estrogen receptor 2 \(ER beta\) \[Homo sapiens \]](#)

Official Symbol

[ESR2](#)

Synonyms

ESR2; estrogen receptor 2 (ER beta); estrogen receptor beta; Erb; NR3A2; estrogen receptor beta 4; estrogen nuclear receptor beta variant a; estrogen nuclear receptor beta variant b; nuclear receptor subfamily 3 group A member 2; ESRB; ESTRB; ER-BETA; ESR-BETA;

Gene ID

[2100](#)

mRNA Refseq

[NM_001040275](#)

Protein Refseq

[NP_001035365](#)

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MIM	601663
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UniProt ID	Q92731
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