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	MDIKNSPSSLNSPSSYNCSQSILPLEHGSIYIPSSYVDSHHEYPAMTFYSPAVMNYSI PSNVTNLEGGPGRQTTSPNVLWPTPGHLSPLVVHRQLSHLYAEPQKSPRCEARSLE HTLPVNRETLKRKVSGNRCASPVTGPGSKRDAHFCAVCSDYASGYHYGVWSCEG CKAFFKRSIQGHNDYICPATNQCTIDKNRRKSCQACRLRKCYEVGMVKCGSRRERC

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	GYRLVRRQRSADEQLHCAGKAKRSGGHAPRVRELLLDALSPEQLVLTLLEAEPPHV 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
UniProt ID	Q92731

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