

# Recombinant Human ESRRG, GST-tagged

**Cat. No.** ESRRG-125H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human GST-tagged Estrogen-related receptor gamma ligand-binding domain (ESRRG-LBD) consists of a 218 a.a. GST tag, a 15 a.a. flexible linker and a 224 a.a. ESRRG-LBD, Acc# NP_001429, amino acids 235-458, was expressed in baculovirus-infected insect cells and purified using affinity chromatography. |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | Sf9 Cells                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | Estrogen-related receptor gamma (ERR-gamma or ESRRG) is also known as NR3B3 (nuclear receptor subfamily 3, group B, member 3).                                                                                                                                                                                         |
| <b>Form</b>             | 50 mM Tris-HCl pH 8.0, 150 mM NaCl, 0.5 mM EDTA, 3 mM Dithiothreitol, 7 mM reduced glutathione, 20% glycerol.                                                                                                                                                                                                          |
| <b>Purity</b>           | >90%                                                                                                                                                                                                                                                                                                                   |
| <b>Applications</b>     | Ligand binding and coactivator peptide recruitment assays.                                                                                                                                                                                                                                                             |
| <b>Storage</b>          | Immediately store at -80°C. Avoid freeze-thaw cycles. While working, please keep sample on ice.                                                                                                                                                                                                                        |

## GENE INFORMATION

|                  |                                                        |
|------------------|--------------------------------------------------------|
| <b>Gene Name</b> | ESRRG estrogen-related receptor gamma [ Homo sapiens ] |
|------------------|--------------------------------------------------------|

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                            |                                                                                                                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Official Symbol</b>     | ESRRG                                                                                                                                                                                                                                                         |
| <b>Synonyms</b>            | ESRRG; estrogen-related receptor gamma; ERR gamma-2; estrogen receptor-related protein 3; nuclear receptor subfamily 3 group B member 3; ERR3; NR3B3; ERRgamma; FLJ16023; KIAA0832; DKFZp781L1617;                                                            |
| <b>Gene ID</b>             | 2104                                                                                                                                                                                                                                                          |
| <b>mRNA Refseq</b>         | NM_001134285                                                                                                                                                                                                                                                  |
| <b>Protein Refseq</b>      | NP_001127757                                                                                                                                                                                                                                                  |
| <b>MIM</b>                 | 602969                                                                                                                                                                                                                                                        |
| <b>UniProt ID</b>          | P62508                                                                                                                                                                                                                                                        |
| <b>Chromosome Location</b> | 1q41                                                                                                                                                                                                                                                          |
| <b>Pathway</b>             | Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; Nuclear Receptor transcription pathway, organism-specific biosystem;                                                                                |
| <b>Function</b>            | AF-2 domain binding; metal ion binding; receptor activity; retinoic acid receptor activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; steroid binding; steroid hormone receptor activity; zinc ion binding; |