

Product datasheet

Recombinant Human Estrogen Receptor alpha protein ab38041

Overview

Product name	Recombinant Human Estrogen Receptor alpha protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Escherichia coli
Amino Acid Sequence	
Species	Human

Specifications

Our [Abpromise guarantee](#) covers the use of **ab38041** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot ELISA
Purity	> 95 % SDS-PAGE.
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Preservative: None Constituents: 20% Glycerol, 50mM Tris acetate, 1mM EDTA, pH 7.5
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General Info

Function	Nuclear hormone receptor. The steroid hormones and their receptors are involved in the
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regulation of eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues. Can activate the transcriptional activity of TFF1.

Sequence similarities

Belongs to the nuclear hormone receptor family. NR3 subfamily.
Contains 1 nuclear receptor DNA-binding domain.

Domain

Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal ligand-binding domain.

Post-translational modifications

Phosphorylated by cyclin A/CDK2. Phosphorylation probably enhances transcriptional activity.
Glycosylated; contains N-acetylglucosamine, probably O-linked.
Ubiquitinated. Deubiquitinated by OTUB1.
Dimethylated by PRMT1 at Arg-260. The methylation may favor cytoplasmic localization.
Palmitoylated (isoform 3). Not biotinylated (isoform 3).

Cellular localization

Nucleus. Cytoplasm. Cell membrane. A minor fraction is associated with the inner membrane and Nucleus. Cytoplasm. Cell membrane. Associated with the inner membrane via palmitoylation.

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