

## Product datasheet

# Mouse Estrogen Receptor beta peptide ab41763

### 製品の概要

**製品名** Mouse Estrogen Receptor beta peptide

### 製品の詳細

**由来** Synthetic

### アミノ酸配列

**生物種** Mouse

**配列** CCSTEDSKNKEGSQNLQSQ

**領域** 467 to 485

### 特性

Our [Abpromise guarantee](#) covers the use of **ab41763** in the following tested applications.

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

**生理活性** This peptide may be used for neutralization and control experiments with the polyclonal antibody that reacts with this product and ERb, [ab5784](#).

**アプリケーション** Blocking  
Neutralising

**精製度** > 95 % SDS-PAGE.  
>95% pure.

**製品の状態** Liquid

**備考** This peptide may be used for neutralization and control experiments with the polyclonal antibody that reacts with this product and ERb, [ab5784](#).

### 前処理および保存

**保存方法および安定性** Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

### 関連情報

**機能** Nuclear hormone receptor. Binds estrogens with an affinity similar to that of ESR1, and activates

expression of reporter genes containing estrogen response elements (ERE) in an estrogen-dependent manner. Isoform beta-cx lacks ligand binding ability and has no or only very low ere binding activity resulting in the loss of ligand-dependent transactivation ability. DNA-binding by ESR1 and ESR2 is rapidly lost at 37 degrees Celsius in the absence of ligand while in the presence of 17 beta-estradiol and 4-hydroxy-tamoxifen loss in DNA-binding at elevated temperature is more gradual.

#### 組織特異性

Isoform beta-1 is expressed in testis and ovary, and at a lower level in heart, brain, placenta, liver, skeletal muscle, spleen, thymus, prostate, colon, bone marrow, mammary gland and uterus. Also found in uterine bone, breast, and ovarian tumor cell lines, but not in colon and liver tumors. Isoform beta-2 is expressed in spleen, thymus, testis and ovary and at a lower level in skeletal muscle, prostate, colon, small intestine, leukocytes, bone marrow, mammary gland and uterus. Isoform beta-3 is found in testis. Isoform beta-4 is expressed in testis, and at a lower level in spleen, thymus, ovary, mammary gland and uterus. Isoform beta-5 is expressed in testis, placenta, skeletal muscle, spleen and leukocytes, and at a lower level in heart, lung, liver, kidney, pancreas, thymus, prostate, colon, small intestine, bone marrow, mammary gland and uterus. Not expressed in brain.

#### 配列類似性

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

#### ドメイン

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

#### 細胞内局在

Nucleus.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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