

## Recombinant Human ENC1, His-tagged

Cat. No. ENC1-28558TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment, corresponding to amino acids 261-582 of Human ENC1 with N terminal His tag; 322 amino acids, 37kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	261-582 a.a.
<b>Description</b>	DNA damage and/or hyperproliferative signals activate wildtype p53 tumor suppressor protein (TP53; MIM 191170), inducing cell cycle arrest or apoptosis. Mutations that inactivate p53 occur in 50% of all tumors. Polyak et al.
<b>Conjugation</b>	HIS
<b>Tissue specificity</b>	Detected in fetal brain tissue, moderate expression in fetal heart, lung and kidney. Highly expressed in adult brain, particularly high in the hippocampus and amygdala, and spinal chord. Detectable in adult pancreas.
<b>Form</b>	Lyophilised:Reconstitute with 117 µl aqua dest.
<b>Storage buffer</b>	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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**Sequences of amino acids**

KSKEIVEEAIRCKLKILQNDGVVTSLCARPRKTGHALFLL GGQTFMCDKLYLVDQKA  
 KEIIPKADIPSPRKEFSACAI GCKVYITGGRGSENGVSKDVVVYDTLHEEWSKAAPM  
 LV ARFGHGSAELKHCLYVVGHTAATGCLPASPSVSLKQVEH YDPTINKWTMVAP  
 LREGVSNAAVVS AKLKLFAFGGTSV SHDKLPKVQCYDQCENRWTVPATCPQPWR  
 YTAAAVLGN QIFIMGGDTEFSACSAYKFNSEYQWTKVGDVTAKRMS CHAVASGN  
 KLYVVGGYFGIQRCKTLDCYDPTLDVWNSITT VPYSLIPTAFVS

**Sequence Similarities**

Contains 1 BTB (POZ) domain.Contains 6 Kelch repeats.

## GENE INFORMATION

**Gene Name** [ENC1 ectodermal-neural cortex 1 \(with BTB-like domain\) \[ Homo sapiens \]](#)

**Official Symbol** [ENC1](#)

**Synonyms** [ENC1](#); [ectodermal-neural cortex 1 \(with BTB-like domain\)](#); [NRPB](#); [ectoderm-neural cortex protein 1](#); [ENC 1](#); [kelch like 37 \(Drosophila\)](#); [KLHL37](#); [PIG10](#); [TP53I10](#);

**Gene ID** [8507](#)

**mRNA Refseq** [NM\\_003633](#)

**Protein Refseq** [NP\\_003624](#)

**MIM** [605173](#)

**Uniprot ID** [O14682](#)

**Chromosome Location** [5q13](#)

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**Function**

actin binding;

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