

# Recombinant Full Length Human ENC1 Protein, GST-tagged

**Cat. No.** ENC1-4291HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human ENC1 full-length ORF ( NP_003624.1, 1 a.a. - 589 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 589 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | This gene encodes a member of the kelch-related family of actin-binding proteins. The encoded protein plays a role in the oxidative stress response as a regulator of the transcription factor Nrf2, and expression of this gene may play a role in malignant transformation. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Feb 2012]                                                                                   |
| <b>Molecular Mass</b>   | 92.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MSVSVHENRKSRRSSGSINIYLFHKSSYADSVLTHLNLLRQQRLFTDVLLHAGNRTF<br>PCHRAVLAACSRIFYEAMFSGGLKESQDSEVNFDNSIHPEVLELLLDYAYSSRVIINEE<br>NAESLLEAGDMLEFQDIRDACADEFLEKNLHPTNCLGMLLLSDAHQCTKLYELSWRM<br>CLSNFQTIRKNEDFLQLPQDMVVQLLSSEELETERLVYESAINWISYDLKKRYCYL<br>PELLQTVRLALLPAIYLMENVAMEELITKQRKSKEIVEEAIRCKLKILQNDGVVTSLCA<br>RPRKTGHALFLLGGQTFMCDKLYLVDQKAKEIIPKADIPSPRKEFSACAIGCKVYITG<br>GRGSENGVSKDVWVYDTLHEEWSKAAPMLVARFGHGS AELKHCLYVVGHTAAT<br>GCLPASPSVSLKQVEHYDPTINKWTMVAPLREGVSNAAVVSAKLKLF AFGGTSVSH |

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DKLPKVQCYDQCENRWTPATCPQPWRYTAAVLGNQIFIMGGDTEFSACSAYKF  
NSETYQWTKVGDVTAKRMSCHAVASGNKLYVVGGYFGIQRCKTLDCYDPTLDVWN  
SITTPYSLIPTAFVSTWKHLPS

**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**

[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; kelch-like 35; kelch-like protein 37; p53-induced gene 10 protein; nuclear matrix protein NRP/B; tumor protein p53 inducible protein 10; nuclear restricted protein, BTB domain-like (brain); CCL28; ENC-1; KLHL35; FLJ39259; FLJ57577;

**Gene ID**

[8507](#)

**mRNA Refseq**

[NM\\_001256574](#)

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|                |              |
|----------------|--------------|
| Protein Refseq | NP_001243503 |
| MIM            | 605173       |
| UniProt ID     | O14682       |

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