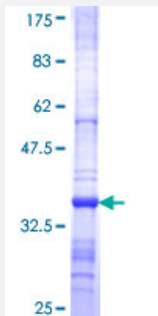


# ENC1 (Human) Recombinant Protein (Q01)

Catalog # H00008507-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human ENC1 partial ORF ( NP_003624, 17 a.a. - 98 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	SINYLFBKSSYADSVLTHLNLLRQQRLFTDVLLHAGNRTFPCRAVLAACSRYSFEAMFSGGLKES QDSEVNFDNSIHPEVL
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	34.76
<b>Interspecies Antigen Sequence</b>	Mouse (100); Rat (100)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — ENC1

Entrez GeneID [8507](#)

GeneBank Accession# [NM\\_003633](#)

Protein Accession# [NP\\_003624](#)

Gene Name ENC1

Gene Alias CCL28, ENC-1, FLJ39259, KLHL35, KLHL37, NRPB, PIG10, TP53I10

Gene Description ectodermal-neural cortex (with BTB-like domain)

Omim ID [605173](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

DNA damage and/or hyperproliferative signals activate wildtype p53 tumor suppressor protein (T P53; MIM 191170), inducing cell cycle arrest or apoptosis. Mutations that inactivate p53 occur in 50% of all tumors. Polyak et al. (1997) [PubMed 9305847] used serial analysis of gene expression (SAGE) to evaluate cellular mRNA levels in a colorectal cancer cell line transfected with p53. Of 7,202 transcripts identified, only 14 were expressed at levels more than 10-fold higher in p53-expressing cells than in control cells. Polyak et al. (1997) [PubMed 9305847] termed these genes 'p53-induced genes,' or PIGs, several of which were predicted to encode redox-controlling proteins. They noted that reactive oxygen species (ROS) are potent inducers of apoptosis. Flow cytometric analysis showed that p53 expression induces ROS production, which increases as apoptosis progresses under some conditions. The authors stated that the PIG10 gene, also called ENC1, encodes an actin-binding protein.[supplied by OMIM]

**Other Designations** kelch-like 35|kelch-like 37|nuclear restricted protein, BTB domain-like (brain)|tumor protein p53 inducible protein 10