

## Recombinant Human CASC3 293 Cell Lysate

**Cat. No.** CASC3-7844HCL    **Lot. No.** (See product label)

### SPECIFICATION

#### Product Overview

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>             | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>              | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>         | Antigen standard for cancer susceptibility candidate 3 (CASC3) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.                                                                                                          |
| <b>Components</b>          | This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol). |
| <b>Size</b>                | 0.1 mg                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage Instruction</b> | Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.                                                                                                                                                                                                                                                                   |

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**Applications** ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                                           |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | CASC3 cancer susceptibility candidate 3 [ Homo sapiens ]                                                                                                                                                                                                                                                  |
| <b>Official Symbol</b>     | CASC3                                                                                                                                                                                                                                                                                                     |
| <b>Synonyms</b>            | CASC3; cancer susceptibility candidate 3; protein CASC3; BTZ; MLN51; MLN 51; barensz; protein barensz; metastatic lymph node 51; metastatic lymph node gene 51 protein; cancer susceptibility candidate gene 3 protein;                                                                                   |
| <b>Gene ID</b>             | 22794                                                                                                                                                                                                                                                                                                     |
| <b>mRNA Refseq</b>         | NM_007359                                                                                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>      | NP_031385                                                                                                                                                                                                                                                                                                 |
| <b>MIM</b>                 | 606504                                                                                                                                                                                                                                                                                                    |
| <b>UniProt ID</b>          | O15234                                                                                                                                                                                                                                                                                                    |
| <b>Chromosome Location</b> | 17q11-q21.3                                                                                                                                                                                                                                                                                               |
| <b>Pathway</b>             | Exon junction complex (EJC), organism-specific biosystem; Gene Expression, organism-specific biosystem; Nonsense Mediated Decay Enhanced by the Exon Junction Complex, organism-specific biosystem; Nonsense-Mediated Decay, organism-specific biosystem; RNA transport, organism-specific biosystem; RNA |

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transport, conserved biosystem; mRNA surveillance pathway, organism-specific biosystem;

**Function**

RNA binding; enzyme binding; identical protein binding; protein binding; ubiquitin protein ligase binding;

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