Recombinant Human CASK cell lysate

Cat. No. CASK-001HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CASK Kinase derived in Baculovirus-Insect cells. The whole cell lysate is provided in 1X Sample Buffer.Browse all transfected cell lysate positive controls
Species	Human
Source	Insect Cells
Preparation method	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
Lysis buffer	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Quality control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Recommended Usage	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube.2. Re-dissolve the pellet using 200μL pure water and boiled for 2-5 min.3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.Notes:The lysate is ready to load on SDS-PAGE for Western blot application. If dissociating conditions are required, add

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	reducing agent prior to heating.
Stability	Samples are stable for up to twelve months from date of receipt at -80°C
Storage Buffer	50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Storage Instruction	Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

GENE INFORMATION

Gene Name	CASK calcium/calmodulin-dependent serine protein kinase (MAGUK family) [Homo sapiens]
Official Symbol	CASK
Synonyms	CASK; calcium/calmodulin-dependent serine protein kinase (MAGUK family); TNRC8, trinucleotide repeat containing 8; peripheral plasma membrane protein CASK; CAGH39; FGS4; LIN2; hCASK; protein lin-2 homolog; trinucleotide repeat containing 8; calcium/calmodulin-dependent serine protein kinase membrane-associated guanylate kinase; CMG; TNRC8; CAMGUK; MICPCH; MRXSNA; FLJ22219; FLJ31914;
Gene ID	8573
mRNA Refseq	NM_001126054
Protein Refseq	NP_001119526

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

MIM	300172
UniProt ID	O14936
Chromosome Location	Xp11.4
Pathway	Cell-Cell communication, organism-specific biosystem; Nephrin interactions, organism-specific biosystem; Syndecan-1-mediated signaling events, organism-specific biosystem; Syndecan-2-mediated signaling events, organism-specific biosystem; Syndecan-3-mediated signaling events, organism-specific biosystem; Tight junction, organism-specific biosystem; Tight junction, conserved biosystem;
Function	ATP binding; calmodulin binding; guanylate kinase activity; nucleotide binding; protein binding; protein serine/threonine kinase activity;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA