

Recombinant Human CASK Protein

Catalog #	Source	Reactivity	Applications
CRP1175	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human CASK Protein is produced by our mammalian expression system and the target gene encoding Met1-Tyr898 is expressed with a 6His tag at the C-terminus.

Form Liquid in a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

Gene Symbol CASK

Alternative Names LIN2; Peripheral plasma membrane protein CASK; hCASK; Calcium/calmodulin-dependent serine protein kinase; Protein lin-2 homolog

Entrez Gene 8573 (Human)

SwissProt O14936 (Human)

Purity Greater than 95% as determined by reducing SDS-PAGE.

Chemical Structure MADDVLFED VYELCEVIGK GPFSVRRCI NRETGQQFAV KIVDVAKFTS SPGLSTEDLK REASICHMLK HPHIVELLET YSSDGMLYMV FEFMDGADLC FEIVKRADAG FVYSEAVASH YMRQILEALR YCHDNNIIHR DVKPHCVLLA SKENSAPVKL GFGVAIQLG ESGLVAGGRV GTPHFMAPEV VKREPYGKPV DVWGC GVILF ILLSGCLPFY GTKERLFEGI IKGKYKMNPR QWSHISESAK DLVRRMLMLD PAERITVYEA LNHPWLKERD RYAYKIHLPE TVEQLRKFNA RRLKLGAVLA AVSSHKFNSF YGDPPEELPD FSEDPTSSGL LAAERAVSQV LDSLEEIHAI TDCSEKDLDF LHSVFDQHL HTLLDLYDKI NTKSSPQIRN PPSDAVQRAK EVLEEISCYP ENNDAKELKR ILTQPHFMAL LQTHDVVAHE VYSDEALRVT PPPTSPYLNG DSPESANGDM DMENVTRVRL VQFQKNTDEP MGITLKMNEL NHCIVARIMH GGMIHRQGTL HVGDEIREIN GISVANQTVE QLQKMLREMR GSITFKIVPS YRTQSSSCED LPSTTQPKGR QIYVRAQFEY DPAKDDLIPC KEAGIRFRVG DIIQISKDD HNWWQ GKLEN SKNGTAGLIP

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

SPELQEWVRVA CIAMEKTKQE QQASCTWFGK KKKQYKDKYL AKHNADLVTY EEVVKLPAFK
RKTLVLLGAH GVGRRRHIKNT LITKHPDRFA YPIPHTRPP KKDEENGKNY YFVSHDQMMQ
DISNNEYLEY GSHEDAMYGT KLETIRKIHE QGLIAILDVE PQALKVLRTA EFAPFVVFIA
APTITPGLNE DESLQRLQKE SDILQRTYAH YFDLTIINNE IDETIRHLEE AVELVCTAPQ
WVPVSWVYVD HHHHHH

Quality Control

Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.

Directions for Use

Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage/Stability

Store it at -20°C to -80°C for one year.

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