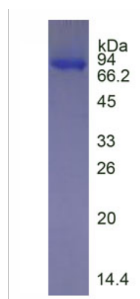
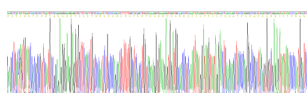


Human Carcinoembryonic Antigen-Related Cell Adhesion Molecule 5 (CEACAM5) Protein

Catalogue No.: abx651474



SDS-PAGE analysis of recombinant Human CEA.



Gene sequencing extract of Human CEA.

CEACAM5 Protein is a Human protein produced in 293F cell.

Target: Carcinoembryonic Antigen-Related Cell Adhesion Molecule 5 (CEACAM5)

Origin: Human

Expression: Recombinant

Tested Applications: WB, SDS-PAGE

Host: 293F cell

Conjugation: Unconjugated

Form: Lyophilized

Purity: > 97%

Reconstitution: Reconstitute in ddH₂O to a concentration of 0.1-1.0 mg/ml. Do not vortex.

Storage: Store at 2-8 °C for up to one month. Store at -80 °C for up to one year. Avoid repeated freeze/thaw cycles.

Datasheet

Version: 4.0.0
Revision date: 04 Jun 2025



UniProt Primary AC: P06731 ([UniProt](#), [ExPASy](#))

Gene Symbol: CEACAM5

GeneID: [1048](#)

KEGG: hsa:1048

String: [9606.ENSP00000221992](#)

Molecular Weight: Calculated MW: 72.9 kDa

Observed MW: 80 kDa

Possible reasons why the actual band size differs from the predicted band size:

1. Splice variants. Alternative splicing may create different sized proteins from the same gene.
2. Relative charge. The composition of amino acids may affect the charge of the protein.
3. Post-translational modification. Phosphorylation, glycosylation, methylation etc. may affect the band size.
4. Post-translational cleavage. Many proteins are synthesised as pro-proteins, and then cleaved to give the active form.
5. Polymerisation of the target protein. Dimerisation, multimerisation etc. will increase the band size observed.

Sequence Fragment: Lys35-Ala685

Sequence: KLTIES TPFNVAEGKE VLLL VHNLPQ HLF GYSWYKG ERVDGNRQII GYVIGTQQAT PGPAYSGREI
IYPNASLLIQ NIIQN DTGFY TLHVIKSDLV NEEATGQFRV YPELPKPSIS SNNSKPVEDK
DAVAFTCEPE TQDATYLWWV NNQSLPVSPR LQLSNGNRTL TLFNVTRNDT ASYKCETQNP
VSARRSDSVI LNVLYGPDAP TISPLNTSYR SGENLNLSCH AASNPPAQYS WFNVTGTFQQS
TQELFIPNIT VNNSGSYTCQ AHNSDTGLNR TTVTTITVYA EPPKPFITSN NSNPVEDEDA
VALTCEPEIQ NTTYLWWVNN QSLPVSPRLQ LSNDNRTLTL LSVTRNDVGP YECGIQNKLS
VDHSDPVILN VLYGPDDPTI SPSYTYRPG VNLSLSCHAA SNPPAQYSWL IDGNIQQHTQ
ELFISNITEK NSGLYTCQAN NSASGHSRTT VKTITVSAEL PKPSISSNNS KPVEDKDAVA
FTCEPEAQNT TYLWWVNGQS LPVSPRLQLS NGNRTLTLFN VTRNDARAYV CGIQNSVSAN
RSDPVTL DVL YGPDTPISP PDSSYLSGAN LNLSCHSASN PSPQYSWRIN GIPQQHTQVL
FIAKITPNNN GTYACFVSNL ATGRNNSIVK SITVSASGTS PGLSA

Tag: N-terminal His tag

Buffer: Prior to lyophilization: PBS, pH 7.4, containing 5% Trehalose.

Activity: Not tested

Concentration: Prior to lyophilization: 50 µg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.