

Recombinant human CEACAM21 protein

Catalog Number: ATGP2254

PRODUCT INFORMATION

Expression system

E.coli

Domain

35-240aa

UniProt No.

Q3KPI0

NCBI Accession No.

NP_001091976

Alternative Names

Carcinoembryonic antigen-related cell adhesion molecule 21, R29124_1, CEA cell adhesion molecule 21

PRODUCT SPECIFICATION

Molecular Weight

25 kDa (229aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

CEACAM21 is a member of the family of carcinoembryonic antigen-related cell adhesion molecules (CEACAMs), which are used by several bacterial pathogens to bind and invade host cells. The transmembrane protein directs phagocytosis of several bacterial species that is dependent on the small GTPase Rac. It is thought to serve an important role in controlling human-specific pathogens by the innate immune system. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. Recombinant human CEACAM21 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

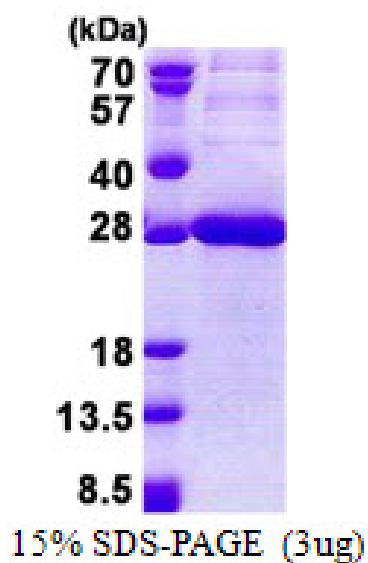
MGSSHHHHHH SSGLVPRGSH MGSWLFIAA PFEVAEGENV HLSVVYLPEN LYSYGWYKGK TVEPNQLIAA YVIDTHVRTP
GPAYSGRETI SPSGDLHFQN VTLED TGYYN LQVTYRNSQI EQASHHLRVY ESVAQPSIQA SSTTVTEKGS VVLTCHTNNT
GTSFQWIFNN QRLQVTKRMK LSWFNHVLTI DPIRQEDAGE YQCEVSNPVS SNRSDPLKLT VKSDDNTLG

General References

Schmitter T, Agerer F, et al. (2004). J Exp Med. 199(1):35-46.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.