

Recombinant human ICAM-5 protein

Catalog Number: ATGP3957

PRODUCT INFORMATION

Expression system

HEK293

Domain

23-835aa

UniProt No.

Q9UMF0

NCBI Accession No.

NP_003250

Alternative Names

Intercellular adhesion molecule 5, ICAM5, ICAM-5, Telencephalin, telencephalin, TLN, TLCN, TLNtelencephalin, TLCNTelencephalin

PRODUCT SPECIFICATION

Molecular Weight

113.8kDa (1052aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

hIgG-His-Tag

Application

SDS-PAGE

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

ICAM-5, also known as telencephalin, is a cell surface glycoprotein belonging to the immunoglobulin superfamily. Human ICAM-5 is expressed on the surface of telencephalic neurons and displays two types of adhesion activity, homophilic binding between neurons and heterophilic binding between neurons and leukocytes. The tissue of

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ICAM-5, being expressed only in telencephalic regions of the central nervous system. Like other ICAMs, ICAM-5 binds to the leukocyte integrin LFA-1. Recombinant human ICAM-5, fused to hlgG-His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.

Amino acid Sequence

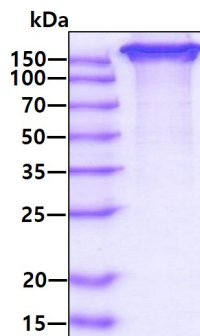
LFGLSAVSQE PFWADLQPRV AFVERGGSLW LNCSTNCPRP ERGGLETSLR RNGTQRGLRW LARQLVDIRE PETQPVCFFR
CARRTLQARG LIRTFQRPDR VELMPLPPWQ PVGENFTLSC RVPGAGPRAS LTLTLLRGAQ ELIRRSFAGE PPRARGAVLT
ATVLARREDH GANFSCRAEL DLRPHGLGLF ENSSAPREL R TFSLSPDAPR LAAPRLLEVG SERPVSCTLD GLFPASEARV
YLALGDQNL S PDVTLEGDAF VATATATASA EQEGARQLVC NVTLGGENRE TRENVTIYSF PAPLLTLSEP SVSEGQMVTV
TCAAGA QALV TLEGVPAAPV GQPAQLQLNA TENDDRRSFF CDATLDVDGE TLIKNRSAEL RVL YAPRLDD SDCPRS WTWP
EGPEQTLRCE ARGNPEPSVH CARSDGGAVL ALGLLGPVTR ALSGTYRCKA ANDQGEAVKD VTLTVEYAPA LDSVGC PERI
TWLEGTEASL SCVAHGVPPP DVICVRSGEL GAVIEGLLRV AREHAGTYRC EATNPRGSAA KNAVTVVEYG PRFEEPSCPS
NWTWVEGSGR LFSCEVDGKP QPSVKCVGSG GATEGVLLPL APPDPSRAP RIPRVLAPGI YVCNATNRHG SVAKT VV VSA
ESPPMDEST CPHQ TWLEG AEASALACAA RGRPSGVRC SREGIPWPEQ QRVSREDAGT YHC VATNAHG TDSRTVTVGV
EYRPVVAELA ASPPGGVRPG GNFTLTCRAE AWPPAQISWR APPGALNIGL SSNNSTLSVA GAMGSHGGEY ECAATNAHGR
HARRITRVA GPW<LEPKSCD KTHTCPPCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG
VEVHNAKTKP REEQNSTYR VVSVLTVLHQ DWLNGKEYKC KVS NKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN
QVSLTCLVKG FYPSDIAVEW ESNGQPENNY KTT PPVLDSD GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL
SLSPGKHHHH HH>

General References

- Yoshihara, Y. et al. (1994) *Neuron* 12:541-553.
Tain, L. et al. (2000) *Eur. J. Immunol.* 30:810-818.
Mizuno, T. et al. (1997) *J. Biol. Chem.* 272:1156-1163.

DATA

SDS-PAGE



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