
Product Data Sheet

Product Name: ICAM5 Human

Cat. No.: GP26295

Batch No.: 1

Product Data

Purity	>98%	Source	HEK293.
Physical Appearance	solid	Shipping Condition	withIcePacks

Synonyms Intercellular adhesion molecule 5, ICAM5, ICAM-5, Telencephalin, telencephalin, TLN, TLCN, TLNtelencephalin, TLCNtelencephalin.

Amino Acid Sequence
 LFGLSAVSQE PFWADLQPRV AFVERGGSLW LNCSTNCPRP ERGGLETSLR
 RNGTQRGLRW LARQLVDIRE PETQPVCFFR CARRTLQARG LIRTFQRPDR
 VELMPLPPWQ PVGENFTLSC RVPGAGPRAS LTLTLLRGAQ ELIRRSFAGE
 PPRARGAVLT ATVLARREDH GANFSCRAEL DLRPHGLGLF ENSSAPREL
 TFSLSPDAPR LAAPRLLEVG SERPVSTLD GLFPASEARV YLALGDQNL
 PDVTLEGDAF VATATATASA EQEGARQLVC NVTLLGGENRE TRENVTIYSF
 PAPLLTLESEP SVSEGQMVTV TCAAGAQALV TLEGVPAAVP GQPAQLQLNA
 TENDDRRSFF CDATLDVDGE TLIKNRSAEL RVLYAPRLDD SDCPRS
 WTP EGPEQTLRCE ARGNPEPSVH CARSDGGAVL ALGLLGPVTR
 ALSGTYRCKA ANDQGEAVKD VTLTVEYAPA LDSVGC
 PERI TWLEGTEASL SCVAHGVPPP DVICVRSGEL
 GAVIEGLLRV AREHAGTYRC EATNPRGSAA KNAV
 TVEYGR PRFEEPSCPS NWTWVEGSGR LFSCEVDG
 KQP QPSVKCVGSG GATEGVLLPL APPDPSRAP
 RIPRVLAPGI YVCNATNRHG SVAKTVVSA
 ESPPEMDEST CPSHQTWLEG AEASALACAA
 RGRPSPGVR SREGIPWPEQ QRVSREDAGT
 YHCVATNAHG TDSRTVTGV EYRPVVAELA
 ASPPGGVRPG GNFTLTCRAE AWPPAQISWR
 APPGALNIGL SSNNSTLSVA GAMGSHGGEY
 ECAATNAHGR HARRITRVA GPWLEPKSCD
 KTHTCPPCPA PELLGGPSVF LFPPKPKDTL
 MISRTPEVTC VVDVSHEDP EVKFNWYVDG
 VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ
 DWLNGKEYKC KVSNAKALPAP IEKTISKAKG
 QPREPQVYTL PPSRDELTKN QVSLTCLVKG
 FYPSDIAVEW ESNQOPENNY KTTTPVLDS
 D GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA
 LHNHYTQKSL SLSPGKHHHHH.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Formulation ICAM5 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Introduction

Intercellular Adhesion Molecule-5 or ICAM-5 is a glycoprotein, part of the immunoglobulin family and located in the cell membrane. We can find ICAM-5 in telencephalic neurons, in a couple of adhesion activity, firstly heterophilic binding amid neurons and leukocytes and secondly, homophilic binding amid neurons. ICAM-5 is expressed exclusively in telencephalic areas of the central nervous system. Similar to other ICAMs molecules, ICAM-5 adhere to LFA-1 which is a leukocyte integrin.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

ICAM5 Human Recombinant produced in HEK293 is a single, glycosylated polypeptide chain containing 1052 amino acids (23-835 a.a) and having a molecular mass of 113.8kDa. ICAM5 is fused to a 239 amino acid hlgG-His-tag at C-terminus & purified by proprietary chromatographic techniques.

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