Recombinant human EpCAM/TROP-1 protein

Catalog Number: ATGP3189

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
24-265aa

UniProt No.
P16422

NCBI Accession No.
NP_002345.1

Alternative Names
TACSTD1, CD326, CO17-1A, EGP, EGP40, Ep-CAM, GA733-2, hEGP-2, KSA, M4S1, MIC18, MK-1, TROP1

PRODUCT SPECIFICATION

Molecular Weight
28.2 kDa (248aa)

Concentration
1mg/ml (determined by absorbance at 280nm)

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

Purity
> 95% by SDS-PAGE

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

Tag
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
TACSTD1, also known as tumor-associated calcium signal transducer 1, is a membrane glycoprotein expressed on adenomatous and simple epithelia, where it is involved in homophilic adhesion at the basolateral membrane. It may act as a physical homophilic interaction molecule between intestinal epithelial cells (IECs) and intraepithelial lymphocytes (IELs) at the mucosal epithelium for providing immunological barrier as a first line of

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defense against mucosal infection. It plays a role in embryonic stem cells proliferation and differentiation. Recombinant human TACSTD1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

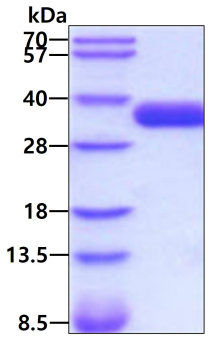
QEECVCENYK LAVNCFVNNN RQCQCTSVGA QNTVICSKLA AKCLVMKAEM NGSKLGRRAK PEGALQNNDG LYDPDCDESG LFKAKQCNGT STCWCVNTAG VRRTDKDTEI TCSERVRTYW IIIELKHKAR EKPYDSKSLR TALQKEITTR YQLDPKFITS ILYENNVITI DLVQNSSQKT QNDVDIADVA YYFEKDVKGE SLFHSKKMDL TVNGEQLDLD PGQTLIYYVD EKAPEFSMQG LK<HHHHHH>

General References

Muenz M., et al. (2003) Oncogene. 23:5748-5758.
Lu TY., et al. (2009) J Biol Chem. 285:8719-8732

DATA

SDS-PAGE



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