

Recombinant human TROP-2 protein

Catalog Number: ATGP3463

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

31-274aa

UniProt No.

P09758

NCBI Accession No.

NP_002344.2

Alternative Names

Tumor-associated calcium signal transducer 2, TACSTD2, EGP-1, EGP1, GA733-1, GA7331, GP50, M1S1, TROP2

PRODUCT SPECIFICATION

Molecular Weight

28.6 kDa (253aa)

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

TACSTD2, also known as tumor-associated calcium signal transducer 2, is an identified cell surface glycoprotein highly expressed by human carcinomas. It is detected in normal kidney, lung, ovary and testis, similarly to the human gene. It is undetectable in undifferentiated spindle cell carcinomas, this suggests a preferential expression at early stages of tumor progression. Its inhibition suppresses the proliferation and invasion of

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laryngeal carcinoma cells via the extracellular signal-regulated kinase/mitogen-activated protein kinase pathway. Recombinant human TACSTD2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

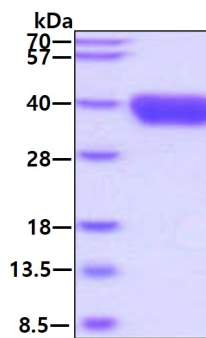
<ADP>QDNCTCP TNKMTVCSPD GPGGRCQCRA LGSGMAVDCS TLTSKCLLLK ARMSAPKNAR TLVRPSEHAL
VDNDGLYDPD CDPEGRFKAR QCNQTSVCWC VNSVGVRRTD KGDLSLRCDE LVRTHHILID LRHRPTAGAF NHSDLDAELR
RLFRERYRLH PKFVAAVHYE QPTIQIELRQ NTSQKAAGDV DIGDAAYYFE RDIKGESLFQ GRGGLDLRVR GEPLQVERTL
IYYLDEIPPK FSMKRLT<HHH HHH>

General References

Wang XD., et al. (2015) Mol Med Rep. 12:865-870.
Ripani E., et al. (1998) Int J Cancer. 76:671-676.

DATA

SDS-PAGE



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