

TACSTD2, 31-274aa, Human, His-tag, Baculovirus

Cat.NO.: TP04134

3th Edition

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

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 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.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:28.6kDa (253aa), 28-40kDa (SDS-PAGE under reducing conditions)

Sequences:

ADPQDNCTCPTNKMTVCSPDGPGGRCQCRALGSGMAVDCSTLTSKCLLLKARMSAPKNARTLVRPSEHALVDND
GLYDPDCDPEGRFKARQC�QTSVCWCVNSVGVRRTDKGDLSLRCDELVRTHHILIDLRRPTAGAFNHSDLDAEL
RRLFRERYRLHPKFVAAVHYEQPTIQIELRQNTSQKAAGDVDIGDAAYYFERDIKGESLFGGRGGLDLRVRGEPLQ
VERTLIYYLDEIPPKFSMKRLTHHHHHH

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.