

TACSTD2 Human

Description:TACSTD2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 267 amino acids (31-274a.a.) and having a molecular mass of 29.9kDa. TACSTD2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:PRPS-164

For research use only.

Synonyms:EGP-1, EGP1, GA733-1, GA7331, GP50, M1S1, TROP2, Cell surface glycoprotein Trop-2, Membrane component chromosome 1 surface marker 1, Pancreatic carcinoma marker protein GA733-1.

Source:E.coli.

Physical Appearance:Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSQDNCTCP TNKMTVCSPD
GPGGRCQCRA LGSGMAVDCS TLTSKLLK ARMSAPKNAR TLVRPSEHAL VDNDGLYDPD
CDPEGRFKAR QCNQTSVCWC VNSVGVRRTD KGDLSLRCDL LVRTHHILID LRHRPTAGAF
NHSDLDAELR RLFRRERYRLH PKFVAAVHYE QPTIQIELRQ NTSQKAAGDV DIGDAAYYFE
RDIKGESLFQ GR

Purity:Greater than 90% as determined by SDS-PAGE.

Formulation:

TACSTD2 protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Tumor-associated calcium signal transducer 2 (TACSTD2), is a member of to the EPCAM family. TACSTD2 is an intronless gene which encodes a carcinoma-associated antigen. TACSTD2 may act as a growth factor receptor and as a cell surface receptor that transduces calcium signals. Mutations of TACSTD2 have been associated with gelatinous drop-like corneal dystrophy.

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