

Recombinant Full Length Human TAX1BP3 Protein, C-Flag-tagged

Cat. No. TAX1BP3-1079HFL Lot. No. (See product label)

SPECIFICATION

Product Overview

Recombinant Full Length Human TAX1BP3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.

Species

Human

Source

Mammalian Cells

Description

This gene encodes a small, highly conserved protein with a single PDZ domain. PDZ (PSD-95/Discs large/ZO-1 homologous) domains promote protein-protein interactions that affect cell signaling, adhesion, protein scaffolding, and receptor and ion transporter functions. The encoded protein interacts with a large number of target proteins that play roles in signaling pathways; for example, it interacts with Rho A and glutaminase L and also acts as a negative regulator of the Wnt/beta-catenin signaling pathway. This protein was first identified as binding to the T-cell leukaemia virus (HTLV1) Tax oncoprotein. Overexpression of this gene has been implicated in altered cancer cell adhesion, migration and metastasis. The encoded protein also modulates the localization and density of inwardly rectifying potassium channel 2.3 (Kir2.3). To date, this protein has been shown to play a role in cell proliferation, development, stress response, and polarization. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

Form

25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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Molecular Mass	13.6 kDa
AA Sequence	MSYIPGQPVTAVVQRVEIHKLRQGENLILGFSIGGGIDQDPSQNPFSKDKTKGIYVT RVSEGGPAEIAQLIGDKIMQVNGWDMTMVTHDQARKRLTKRSEEVVRLLVTRQSL QKAVQQSMLS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	TAX1BP3 Tax1 binding protein 3 [Homo sapiens (human)]
Official Symbol	TAX1BP3
Synonyms	TIP1; TIP-1
Gene ID	30851
mRNA Refseq	NM_014604.4

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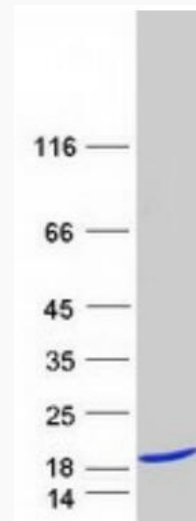
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Protein Refseq NP_055419.1

MIM 616484

UniProt ID O14907



Coomassie blue staining of purified TAX1BP3 protein.

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