

Recombinant Mouse REG3B/Pap1 Protein (His Tag)

Catalog No. PKSM040337

Note: Centrifuge before opening to ensure complete recovery of vial contents.

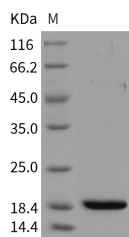
Description

Synonyms	HIP;Pap;PAP1;REG-III
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Met1-Gly175
Accession	NP_035166.1
Calculated Molecular Weight	18.1 kDa
Observed molecular weight	19 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Expression of REG3B was sufficient to inhibit cytokine-induced activation of STAT3 in IECs. The human REG3beta protein, the functional counterpart of mouse REG3B, inhibited STAT3 activity in human 293T cells, and its expression

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level in colorectal tumors correlated inversely with pSTAT3 level and survival times of patients. REG3B negatively regulates cytokine-induced activation of STAT3 in colon epithelial cells. This pathway might be targeted in patients with colitis to reduce carcinogenesis.