

SMR3B Protein, Human (HEK293, His)

Cat. No.:	HY-P77491
Synonyms:	Submaxillary gland androgen-regulated protein 3B; PBII; PRL3; PROL3
Species:	Human
Source:	HEK293
Accession:	P02814 (M1-P79)
Gene ID:	10879
Molecular Weight:	Approximately 8 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Submaxillary gland androgen-regulated protein 3B (SMR3B) is an important oncogenic driver that promotes cancer progression and metastasis. SMR3B overexpression in multiple cancers has pleiotropic effects, causing cells to acquire hallmark traits such as sustained proliferative signaling, replicative immortality, genome instability and mutation, resistance to cell death, angiogenesis etc. In addition, up-regulation of SMR3B activates the Src kinase, which initiates a number of signal pathways culminating in the phosphorylation of ERK1/2, STAT3, and p130. Importantly, its tumor specific expression in a broad range of cancers and absence in normal tissues make it an attractive target ^{[1][2]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA