

RPCB1652

Product Information

Product SKU: RPCB1652	Gene ID: 18606	Size: 10µg
Tag: C-His	Reactivity: Mouse	

Additional Information

Expression Host: -	Swissprot: Q9R1E6-1
Purity: -	

Protein Information

Background: ENPP-2, also known as Autotaxin, belongs to the ectonucleotide pyrophosphatase/phosphodiesterase (NPP) family. Some NPPs hydrolyze phosphates from nucleotides and their derivatives. ENPP-2 shares 40 - 50% identity to ENPP1 & 3, all of which contain a N-terminal intracellular domain, a single transmembrane domain and a large extracellular domain that includes a catalytic domain, two somatomedin-B-like domains, and a C-terminal nuclease-like domain. Unlike ENPP-1 and ENPP-3, ENPP-2 has weak activity against nucleotides, but exhibits a lysophospholipase D activity which allows the formation of lysophosphatidic acid (LPA) and choline from lysophosphatidylcholine. The hydrolysis of nucleotides and lysophospholipids by ENPP-2 is mediated by a single catalytic site. Evidence shows LPA and sphingosine 1-phosphate to be specific inhibitors of ENPP-2. ENPP-2 was originally found to stimulate tumor cell motility and has since been found to enhance tumor invasion and metastasis (and to be up-regulated in several types of carcinomas including breast and lung.

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Mouse Autotaxin/E-NPP2 Protein, tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.

Endotoxin: <0.1EU/µg of the protein by LAL method.

Formulation: Lyophilized from a 0.22 µm filtered solution of 20mM Tris, 150mM NaCl, pH7.4

Contact Details | Dublin, Ireland

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Storage:

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.