

Datasheet for ABIN7321166 **REG3A Protein (His tag)**



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Overview

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| Quantity: | 100 µg |
| Target: | REG3A |
| Origin: | Rat |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This REG3A protein is labelled with His tag. |

Product Details

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| Purpose: | Recombinant Rat REG3A/HIP Protein (His Tag) |
| Sequence: | Met1-Gln174 |
| Characteristics: | A DNA sequence encoding the rat REG3A (BAA04904.1) (Met1-Gln174) was expressed, fused with a polyhistidine tag at the C-terminus. |
| Purity: | > 95 % as determined by SDS-PAGE |
| Endotoxin Level: | < 1.0 EU per µg of the protein as determined by the LAL method |

Target Details

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|-------------------|---|
| Target: | REG3A |
| Alternative Name: | REG3A/HIP (REG3A Products) |
| Background: | Background: Regenerating islet-derived protein 3-alpha, also known as Regenerating islet-derived protein III-alpha, REG-3-alpha, REG3A, and HIP, is secreted protein which contains one C-type lectin domain. REG3A is constitutively expressed in intestine, and is a pancreatic |

Target Details

secretory protein that may be involved in cell proliferation or differentiation. It is overexpressed during the acute phase of pancreatitis and in some patients with chronic pancreatitis. REG3A and REG1A proteins are both involved in liver and pancreatic regeneration and proliferation. REG3A is also a stress protein involved in the control of bacterial proliferation. REG3A is down-regulated in most primary human gastric cancer cells, and might be useful in the diagnosis of gastric cancer. Additionally, REG3A is a target of beta-catenin signaling in Huh7 hepatoma cells. The REG1A and REG3A are downstream targets of the Wnt pathway during liver tumorigenesis. Synonym: REG3A,Pap2,Reg3

Molecular Weight: 17.9 kDa

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: 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.