



Recombinant Protein Technical Manual
Recombinant Human WFIKKN2/GASP Protein (His
Tag)
RPES4149

Product Data:

Product SKU: RPES4149

Size: 20µg

Species: Human

Expression host: HEK293 Cells

Uniprot: NP_783165.1

Protein Information:

Molecular Mass: 61.4 kDa

AP Molecular Mass: 70-75 kDa

Tag: C-His

Bio-activity:

Purity: > 96 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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

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

Application:

Synonyms: GASP;hGASP;WFDC20B;WFIKKNRP

Immunogen Information:

Sequence: Met 1-His 576

Background:

WAP, kazal, immunoglobulin, kunitz and NTR domain-containing protein 2, also known as Growth and differentiation factor-associated serum protein 1, WAP, follistatin, immunoglobulin, kunitz and NTR domain-containing-related protein, WFIKKN-related protein, WFIKKN2 and GASP1, is a secreted protein which belongs to the WFIKKN family. WFIKKN2 contains two BPTI/Kunitz inhibitor domains, one Ig-like C2-type (immunoglobulin-like) domain, one Kazal-like domain, one NTR domain and one WAP domain. WFIKKN2 is primarily expressed in ovary, testis and brain, but not in liver. In fetal tissues, it is primarily expressed in brain, skeletal muscle, thymus and kidney. WFIKKN2 is protease-inhibitor that contains multiple distinct protease inhibitor domains. It probably has serine protease- and metalloprotease-inhibitor activity. It inhibits the biological activity of mature myostatin, but not activin. WFIKKN2 protein binds mature GDF8/myostatin and myostatin propeptide and inhibits the biological activity of myostatin.