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Datasheet for ABIN7317436 WFIKKN2 Protein (His tag)

Overview

Quantity:	50 µg
Target:	WFIKKN2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WFIKKN2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human WFIKKN2/GASP-1 Protein (His Tag)
Sequence:	Met 1-His 576
Characteristics:	A DNA sequence encoding the human WFIKKN2 (NP_783165.1) extracellular domain (Met 1-His 576) was expressed, with a polyhistidine tag at the C-terminus.
Purity:	> 96 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	WFIKKN2
Alternative Name:	WFIKKN2/GASP-1 (WFIKKN2 Products)
Background:	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,

Target Details

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.

Synonym: GASP-1;hGASP-1;WFDC20B;WFIKKNRP

Molecular Weight: 61.4 kDa

NCBI Accession: [NP_783165](#)

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.