Recombinant Human WFIKKN2/GASP-1 Protein (His Tag)

Catalog No. PKSH030936

Note: Centrifuge before opening to ensure complete recovery of vial contents.

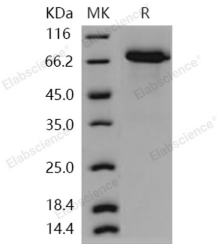
Description

Synonyms	GASP-1;hGASP-1;WFDC20B;WFIKKNRP
Species	Human
Expression Host	HEK293 Cells
Sequence	Met 1-His 576
Accession	NP_783165.1
Calculated Molecular Weight	61.4 kDa
Observed molecular weight	70-75 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 96 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 96 % as determined by reducing SDS-PAGE.

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,

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WFIKKN-related protein, WFIKKN2 and GASP1, is a secreted protein which belongs to theWFIKKN family. WFIKKN2 contains twoBPTI/Kunitz inhibitor domains, oneIg-like C2-type (immunoglobulin-like) domain, oneKazal-like domain, oneNTR domain and oneWAP 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.

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