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

Catalog Number: PDMH100312

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

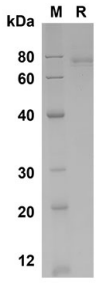
Description

Species	Human
Source	Mammalian-derived Human GASP-1/WFIKKNRP proteins Leu35-His576,with an C-terminal His
Calculated MW	59.5 kDa
Observed MW	80 kDa
Accession	Q8TEU8
Bio-activity	Not validated for activity

Properties

Purity	> 90% as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU/mg 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 a 0.2 μm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of Human GASP-1/WFIKKNRP proteins , 2μg/lane of Recombinant Human GASP-1/WFIKKNRP proteins was resolved with SDS-PAGE under reducing conditions , showing bands at 80 KD

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 that 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 a 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.