

# Recombinant Human GASP-1/WFIKKNRP Protein (His Tag) RPES8354



## Product Information

<b>Product SKU:</b>	RPES8354	<b>Expression Host:</b>	Mammalian	<b>Size:</b>	20µg
<b>Tag:</b>	C-His	<b>Reactivity:</b>	Human	<b>Accession:</b>	Q8TEU8

## Additional Information

<b>Calculated MW:</b>	59.5 kDa	<b>Observed MW:</b>	80 kDa
<b>Sequence:</b>	Leu35-His576		

## Protein Information

**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.

**Synonyms:** UNQ, GASP, Wfikkn, GASP1, WFIKKNRP, WFIKKN2, UNQ9235, PRO31996, GASP-1, hGASP-1, WFDC20B

**Endotoxin:** < 1.0 EU/mg of the protein as determined by the LAL method

**Formulation:** Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

**Purity:** > 90% as determined by reducing SDS-PAGE.

**Bio-Activity:** Not validated for activity

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**Storage:**

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.