

Specifications:

Gene:	<i>hWFIKKN2</i>
Accession:	NP_783165
Insert size:	1744bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

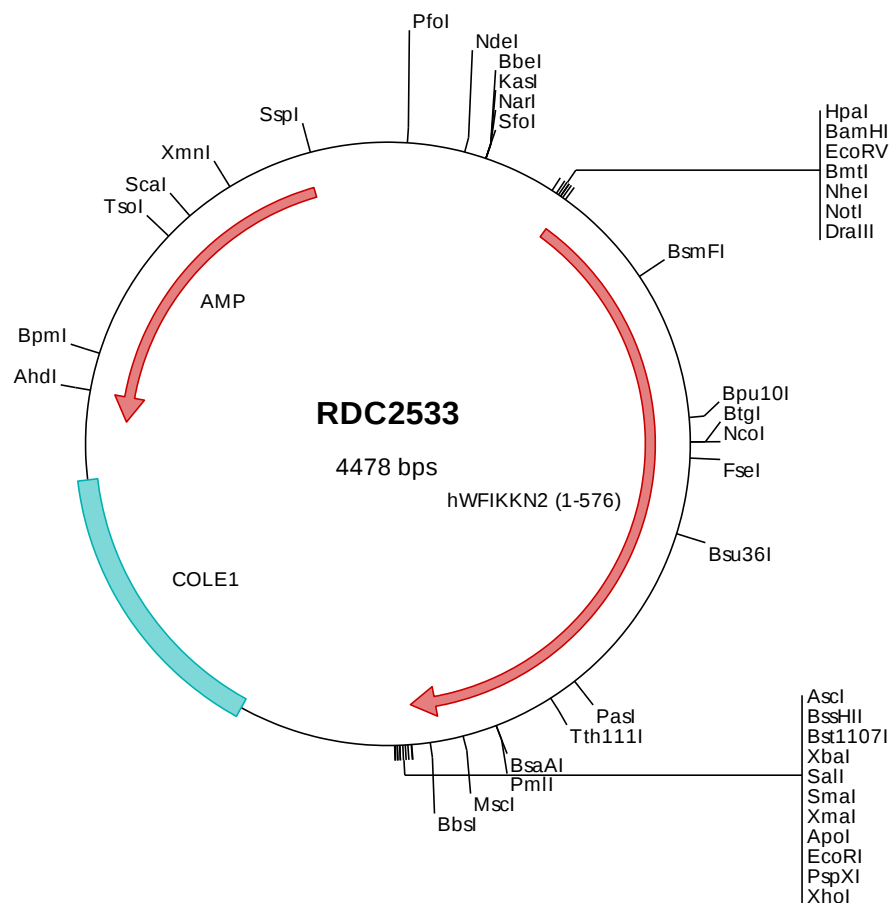
hGASP-1/WFIKKN2 cDNA Plasmid

WFIKKN2 WAP, follistatin/kazal, immunoglobulin, kunitz and netrin domain containing 2
[*Homo sapiens* (human)]

Also known as: GASP-1; WFDC20B;
hGASP-1; WFIKKNRP

Summary:

WFIKKN2 is expressed in developing fetus and the adult. In the developing fetus, WFIKKN2 expression is highest in the brain, skeletal muscle, thymus and kidney. In the adult, WFIKKN2 is primarily expressed in the ovary, testis, and brain. WFIKKN2 inhibits myostatin and the highly related protein, GDF-11, but not Activin or TGF-beta *in vitro*. In addition, WFIKKN2 binds directly but independently to both mature myostatin and the myostatin propeptide.



> RDC2533 Plasmid DNA Sequence

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> RDC2533 Translated Insert Sequence

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