Datasheet for ABIN2468463

GPRASP1 Protein

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Overview

Quantity:	0.005 mg
Target:	GPRASP1
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	LPPIRYSHAG ICPNDMNPNL WVDAQSTCRR ECETDQECET YEKCCPNVCG TKSCVAARYM DVKGKKGPVG MPKEATCDHF MCLQQGSECD IWDGQPVCKC KDRCEKEPSF TCASDGLTYY NRCYMDAEAC SKGITLAVVT CRYHFTWPNT SPPPPETTMH PTTASPETPE LDMAAPALLN NPVHQSVTMG ETVSFLCDVV GRPRPEITWE KQLEDRENVV MRPNHVRGNV VVTNIAQLVI YNAQLQDAGI YTCTARNVAG VLRADFPLSV VRGHQAAATS ESSPNGTAFP AAECLKPPDS EDCGEEQTRW HFDAQANNCL TFTFGHCHRN LNHFETYEAC MLACMSGPLA ACSLPALQGP CKAYAPRWAY NSQTGQCQSF VYGGCEGNGN NFESREACEE SCPFPRGNQR CRACKPRQKL VTSFCRSDFV ILGRVSELTE EPDSGRALVT VDEVLKDEKM GLKFLGQEPL EVTLLHVDWA CPCPNVTVSE MPLIIMGEVD GGMAMLRPDS FVGASSARRV RKLREVMHKK TCDVLKEFLG LH
Characteristics:	Determined by its ability to inhibit human Myostatin (GDF-8) activity in MCP-11 cells. The ED50 for this effect is 0.0025-0.0040 µg/mL in the presence of 5 ng/mL of human Myostatin (GDF-8).
Purity:	< 95 % by SDS-PAGE gel and HPLC analyses.

Target Details

Target:	GPRASP1
Alternative Name:	GASP-1 (GPRASP1 Products)
Background:	Growth and differentiation factor-associated serum protein-1 (GASP-1) is a secreted inhibitory TGF-beta binding protein that contains multiple protease inhibitor structural domains. It is expressed primarily in the ovary, testis, and brain, and can act as a potent soluble inhibitor of myostatin and GDF-11, but not Activin-A. The GASP-1 gene encodes a 571 amino acid protein that contains a 29 amino acid secretion signal sequence, and multiple identifiable structural features, including a WAP domain, a follistatin/Kazal domain, an immunoglobulin domain, two tandem Kunitz domains, and a netrin domain. Recombinant human GASP-1 is a 542 amino acid protein that migrates at an apparent molecular weight of approximately 55-66 kDa by SDS-PAGE analysis under non-reducing conditions.
Gene ID:	9737
NCBI Accession:	NP_001092880
OMIM:	150378489
UniProt:	Q5JY77

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Handling Advice:	As with any protein, exposing GASP-1 recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.
Storage:	-20 °C
Storage Comment:	The recombinant protein is stable for at least 2 years from date of receipt at -20 °C. Reconstituted GASP-1 is stable for at least 3 months when stored in working aliquots with a carrier protein at -20 °C.
Expiry Date:	24 months