9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-20577: Recombinant Human GASP-1(Discontinued)

Alternative Name : GDF-associated serum protein-1, GASP, KIAA0443, WFIKKNRP

Description

Source:CHO cells
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. The calculated molecular weight of Recombinant Human GASP-1 is 59.9 kDa.

Product Info

Amount : 5 µg / 25 µg
Purification : Purity:>= 95% by SDS-PAGE gel and HPLC analyses.
Content : This recombinant protein is supplied in lyophilized form.
Amino Acid : 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

Application Note

Determined by its ability to inhibit human Myostatin (GDF-8) activity in MCP-11 cells.ÃÂ TheÃÂ ED_{50}ÃÂ for this effect is 0.0025-0.0040 ÃÂµg/ml in the presence of 5ng/ml of human Myostatin (GDF-8).

For Research Use Only. Not for use in diagnostic/therapeutics procedures.