

Active Recombinant Human G Protein-Coupled Receptor Associated Sorting Protein 2, His-tagged

Cat. No. GPRASP2-5634H **Lot. No.** (See product label)

SPECIFICATION

| | |
|----------------------------|---|
| Product Overview | Recombinant Human GPRASP2 protein was expressed in Murine myeloma cellline. Ala20-Asp548, with a C-terminal 6-His tag. |
| Species | Human |
| Source | Mammalian Cells |
| Protein Length | 20-548 a.a. |
| Description | GPRASP2cDNA encodes a 548 amino acid protein that contains a 19 amino acid signal sequence and is comprised of many conserved domains: WAP, follistatin/Kazal, immunoglobulin, two tandem Kunitz, and netrin. Based on the order of these conserved domains, GPRASP2 is also known as WFIKKN. Another related protein which contains the same domain structure is called WFIKKNRP (WFIKKN-related protein), or GASP-1. WAP, follistatin, Kunitz and netrin domains are all implicated in protease inhibition, and the GASP proteins may be multivalent protease inhibitors. |
| Form | Lyophilized from a 0.2 um filtered solution in PBS with BSA as a carrier protein. |
| N-terminal Sequence | Ala20 |
| Molecular Weight | 57.5 kDa |
| Activity | Measured by its ability to inhibit rmGDF-8 activity in K562 human chronic |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|------------------------|---|
| | myelogenousleukemia cells. The ED50 for this effect is typically 0.25-1.25 µg/mL, in the presence of 40 ng/mL of rmGDF-8. |
| Endotoxin Level | <1.0EU per 1µg of the protein by the LAL method. |
| SDS-PAGE | 65-72kDa, reducing conditions. |
| Purity | >97%,by SDS-PAGE under reducing conditions and visualized by silver stain. |
| Reconstitution | 100 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin |
| Storage | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70 °C under sterile conditions after reconstitution. |

GENE INFORMATION

| | |
|------------------------|---|
| Gene Name | GPRASP2 G protein-coupled receptor associated sorting protein 2 [Homo sapiens] |
| Official Symbol | GPRASP2 |
| Synonyms | GPRASP2; Gprotein-coupled receptor associated sorting protein 2; GASP2;G-protein coupled receptor-associated sorting protein 2; FLJ37327;GASP-2 |
| Gene ID | 114928 |
| mRNA Refseq | NM_001184876 |
| Protein Refseq | NP_001171805 |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



UniProt ID Q96D09

**Chromosome
Location** Xq22.1

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA