

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	GPRASP2 cDNA 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 µm 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

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	myelogenous leukemia 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; G protein-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

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UniProt ID	Q96D09
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Chromosome Location	Xq22.1
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