Recombinant Human GGA2 Protein, GST-tagged

Cat. No. GGA2-4866H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GGA2 full-length ORF (AAH00284, 1 a.a. - 613 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a member of the Golgi-localized, gamma adaptin ear-containing, ARF-binding (GGA) family. This family includes ubiquitous coat proteins that regulate the trafficking of proteins between the trans-Golgi network and the lysosome. These proteins share an amino-terminal VHS domain which mediates sorting of the mannose 6-phosphate receptors at the trans-Golgi network. They also contain a carboxy-terminal region with homology to the ear domain of gamma-adaptins. This family member may play a significant role in cargo molecules regulation and clathrin-coated vesicle assembly. [provided by RefSeq
Molecular Mass	93.17 kDa
AA Sequence	MAATAVAAAVAGTESAQGPPGPAASLELWLNKATDPSMSEQDWSAIQNFCEQVNT DPNGPTHAPWLLAHKIQSPQEKEALYALTVLEMCMNHCGEKFHSEVAKFRFLNELIK VLSPKYLGSWATGKVKGRVIEILFSWTVWFPEDIKIRDAYQMLKKQGIIKQDPKLPVD KILPPPSPWPKSSIFDADEEKSKLLTRLLKSNHPEDLQAANRLIKNLVKEEQEKSEKV SKRVSAVEEVRSHVKVLQEMLSMYRRPGQAPPDQEALQVVYERCEKLRPTLFRLAS DTTDDDDALAEILQANDLLTQGVLLYKQVMEGRVTFGNRVTSSLGDIPVSRVFQNPA

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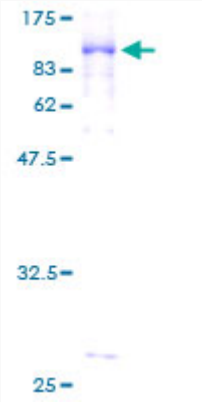
	GCMKTCPLIDLEVDNGPAQMGTVVPSLLHQDLAALGISDAPVTGMVSGQNCCEEKR NPSSSTLPGGGVQNPSADRNLLDLLSPQPAPCPLNYVSQKSVPKEVPPGTKSSPG WSWEAGPLAPSPSSQNTPLAQVFVPLESVKPSSLPPLIVYDRNGFRILLHFSQTGAP GHPEVQVLLLTMMSTAPQPVWDIMFQVAVPKSMRVKLQPASSSKLPAFSPLMPPAV ISQMLLLDNPHKEPIRLRYKLTFNQGGQPFSEVGEVKDFPDLAVLGAA
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCI, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	GGA2 golgi-associated, gamma adaptin ear containing, ARF binding protein 2 [Homo sapiens]
Official Symbol	GGA2
Synonyms	GGA2; golgi-associated, gamma adaptin ear containing, ARF binding protein 2; ADP-ribosylation factor-binding protein GGA2; KIAA1080; VEAR; gamma-adaptin-related protein 2; VHS domain and ear domain of gamma-adaptin; VHS domain and ear domain-containing protein; golgi-localized, gamma ear-containing, ARF-binding protein 2; golgi associated, gamma adaptin ear containing, ARF binding protein 2; FLJ20966;

Gene ID	23062
mRNA Refseq	NM_015044
Protein Refseq	NP_055859
MIM	606005
UniProt ID	Q9UJY4
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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