

## Recombinant Human GGA1 cell lysate

**Cat. No.** GGA1-698HCL    **Lot. No.** (See product label)

### SPECIFICATION

#### Product Overview

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>    | This gene encodes a member of the Golgi-localized, gamma adaptin ear-containing, ARF-binding (GGA) protein family. Members of this family are 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. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. |
| <b>Size</b>           | 100 ul                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage Buffer</b> | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Applications</b>   | Western Blot;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

### GENE INFORMATION

|                        |                                                               |
|------------------------|---------------------------------------------------------------|
| <b>Gene Name</b>       | GGA1 ADP-ribosylation factor binding protein [ Homo sapiens ] |
| <b>Official Symbol</b> | GGA1                                                          |

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>            | GGA1; ADP-ribosylation factor binding protein; ADP-ribosylation factor-binding protein GGA1; gamma-adaptin related protein 1; gamma-adaptin-related protein 1; ADP-ribosylation factor binding protein 1; golgi-localized, gamma ear-containing, ARF-binding protein 1; golgi associated, gamma adaptin ear containing, ARF binding protein 1 |
| <b>Gene ID</b>             | 26088                                                                                                                                                                                                                                                                                                                                         |
| <b>mRNA Refseq</b>         | NM_001001560                                                                                                                                                                                                                                                                                                                                  |
| <b>Protein Refseq</b>      | NP_001001560                                                                                                                                                                                                                                                                                                                                  |
| <b>MIM</b>                 | 606004                                                                                                                                                                                                                                                                                                                                        |
| <b>UniProt ID</b>          | Q9UJY5                                                                                                                                                                                                                                                                                                                                        |
| <b>Chromosome Location</b> | 22q13.31                                                                                                                                                                                                                                                                                                                                      |
| <b>Pathway</b>             | Lysosome, organism-specific biosystem; Lysosome, conserved biosystem                                                                                                                                                                                                                                                                          |
| <b>Function</b>            | molecular_function; protein binding                                                                                                                                                                                                                                                                                                           |