

Recombinant Human GGA1, His-tagged

Cat. No. GGA1-28744TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 162-639 of Human GGA1 with an N-terminal His Tag, 478 amino acids, approximately 88kDa.
Species	Human
Source	E.coli
ProteinLength	162-639 a.a.
Description	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.
Conjugation	HIS
Form	Lyophilised:reconstitution with 101 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium hydrogen phosphate, 10mM Sodium chloride, pH 4.5

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	PRPKNVIFEDEEEKSKMLARLLKSSHPEDLRAANKLIKEMV QEDQKRMEKISKRVNAI EEVNNNVKLLTEMVMSHSQGG AAAGSSEDLMKELYQRCERMRPTLFRLASDTEDN DEALAE ILQANDNLTQVINLYKQLVRGEEVNGDATAGSIPGSTS ALLDLSGLDLPPA GTTYPAMPTRPGEQASPEQPSASVS LLDELMSLGLSDPTPPSGPSLDGTGWNSF QSSDATEPPA PALAQAPSMESRPPAQTSLPASSGLDDLDLLGKTLLQQ SLPPESQ QVRWEKQQPTPRLTLRDLQNKSSSCSSPSSSATSLLHTVSPEPPRPPQQPVPTELS LASITVPLESIKPSN ILPVTVYDQHGFRILFHFARDPLPGRSDVLVVVVSMLS TAPQPI RNIVFQSAVPKVMKVKLQPPSGTELPFNPPIVHP SAITQVLLLANPQKEKVRLRYKLT FTMGDQTYNEMGDV DQFPPPETWGSL
GENE INFORMATION	
Gene Name	GGA1 golgi-associated, gamma adaptin ear containing, ARF binding protein 1 [Homo sapiens]
Official Symbol	GGA1
Synonyms	GGA1; golgi-associated, gamma adaptin ear containing, ARF binding protein 1; ADP-ribosylation factor-binding protein GGA1;
Gene ID	26088
mRNA Refseq	NM_001001560
Protein Refseq	NP_001001560
MIM	606004
Uniprot ID	Q9UJY5

Chromosome Location	22q13.31
Pathway	Lysosome, organism-specific biosystem; Lysosome, conserved biosystem;
Function	molecular_function; protein binding;

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