

Recombinant Human GNA14 protein, GST-tagged

Cat. No. GNA14-13344H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GNA14 protein(1-355 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-355 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	MAGCCCLSAEEKESQRISAEIERQLRRDKKDARRELKLLLLGTGESGKSTFIKQMRRII HGSGYSDEDRKGFTKLVYQNIFTAMQAMIRAMDTLRIQYVCEQNKENAQIIREVEVD KVSMLSREQVEAIKQLWQDPGIQECYDRRREYQLSDSAKYYLTIDRIATPSFVPTQ QDVLRRVRVPTTGIIIEYPFDLENIIFRMVDVGGQRSERRKWIHCFESVTSIIFLVALUEY DQVLAECDNENRMEESKALFKTIITYPWFLNSSVILFLNKKDLLEEKIMYSHLISYFPE YTGPKQDVRAARDFILKLYQDQNPDKKVIYSHFTCATDNDNIRFVFAAVKDTILQLN LREFNLV
Purity	80%, by SDS-PAGE with Coomassie Brilliant Blue staining.

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Storage Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name GNA14 guanine nucleotide binding protein (G protein), alpha 14 [Homo sapiens]

Official Symbol GNA14

Synonyms GNA14; guanine nucleotide binding protein (G protein), alpha 14; guanine nucleotide-binding protein subunit alpha-14; g alpha-14; G-protein subunit alpha-14; guanine nucleotide-binding protein 14;

Gene ID 9630

mRNA Refseq NM_004297

Protein Refseq NP_004288

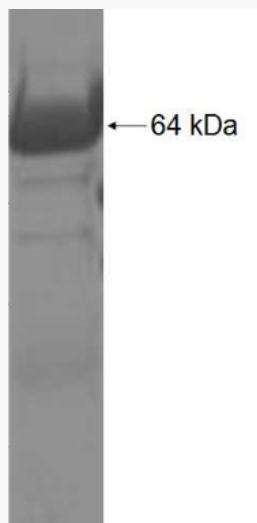
MIM 604397

UniProt ID O95837

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SDS-PAGE

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