

Recombinant Human GAB1 Protein, T7/His-tagged

Cat. No. GAB1-22H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human full-length GAB1 with a T7-His-TEV cleavage site Tag (31aa) fusion at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Form	Liquid
AA Sequence	MASMTGGQQMGRGRHHHHHHENLYFQGGEFSGGEVVCSGWLRKSPPEKKLKRYA WKRRWFVLRSGRLTGDPDVLEYKNDHAKKPIRIIDLNLCCQVDAGLTFNKKEFENS YIFDINTIDRIFYLVADSEEEMNKWVRCICDICGFNPTEEDPVKPPGSSLQAPADLPLA INTAPPSTQADSSSATLPPPYQLINVPPHLETLGIQEDPDYLLLLINCQSKKPEPTRTH ADSAKSTSSETDCNDNVPSHKNPASSQSKHGMNGFFQQMIYDSPPSRAPASVD SSLYNLPRSYSHDVLPKVSPSSTEADGELYVFNTPSGTSSVETQMRHVSISYDIPPT PGNTYQIPRTFPEGTLGQTSKLDITPDIPPPRPPKHPAHDRSPVETCSIPRTASDTD SSYCIPTAGMSPSRNTISTVDLNKLRKDASSQDCYDIPRAFPSDRSSSLEGFHNHF KVKNVLTVGVSSEELDENYVPMNPNSPPRQHSSSFTEPIQEANYVPMTPGTDFDS SFGMQVPPPAHMGFRSSPKTPPRRP
Purity	> 90% by SDS-PAGE
Applications	1. May be used for in vitro Gab1 mediated cell signaling pathway regulation study for various cells in FGFR1 and IL6 pathway by intracellular delivery of this protein with protein-delivery reagent such as ProFectin Reagent Kit.

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2. May be used for protein-protein interaction measurement in vitro for mapping GAB1 binder.
3. As substrate protein for kinase enzymatic assay.
4. Potential biomarker protein, which may be used for diagnostic application of various cancer or asthma.
5. As immunogen for specific antibody production.

Storage

Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.

Concentration

0.5 mg/mL

Storage Buffer

Sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose and DTT.

GENE INFORMATION

Gene Name

GAB1

Official Symbol

GAB1 GRB2 associated binding protein 1 [Homo sapiens (human)]

Synonyms

GAB1; GRB2 associated binding protein 1; GRB2-associated-binding protein 1; GRB2-associated binder 1; growth factor receptor bound protein 2-associated protein 1

Gene ID

2549

mRNA Refseq

NM_002039

Protein Refseq

NP_002030

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MIM	604439
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UniProt ID	Q13480
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