

Recombinant Mouse Gas8 Protein, His-tagged

Cat. No. Gas8-1565M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Gas8 Protein (Met1-Thr478) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Thr478
Description	Enables microtubule binding activity and small GTPase binding activity. Involved in positive regulation of protein localization to cilium; positive regulation of smoothened signaling pathway; and regulation of microtubule binding activity. Acts upstream of or within several processes, including axoneme assembly; epithelial cilium movement involved in extracellular fluid movement; and flagellated sperm motility. Located in Golgi apparatus; ciliary basal body; and sperm flagellum. Is expressed in bronchus; nasal cavity epithelium; and nervous system. Used to study primary ciliary dyskinesia 33. Human ortholog(s) of this gene implicated in primary ciliary dyskinesia 33. Orthologous to human GAS8 (growth arrest specific 8).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 60 kDa Accurate Molecular Mass: 60 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Gas8 growth arrest specific 8 [Mus musculus (house mouse)]
Official Symbol	Gas8
Synonyms	GAS8; growth arrest specific 8;
Gene ID	104346
mRNA Refseq	NM_018855
Protein Refseq	NP_061343
UniProt ID	Q60779

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