Recombinant Mouse Gpi1 Protein, MYC/DDK-tagged

Cat. No. Gpi1-1045M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse glucose phosphate isomerase 1 (Gpi1), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a member of the glucose phosphate isomerase protein family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. In the cytoplasm, the gene product functions as a glycolytic enzyme (glucose-6-phosphate isomerase) that interconverts glucose-6-phosphate and fructose-6-phosphate. Extracellularly, the encoded protein (also referred to as neuroleukin) functions as a neurotrophic factor that promotes survival of skeletal motor neurons and sensory neurons, and as a lymphokine that induces immunoglobulin secretion. The encoded protein is also referred to as autocrine motility factor based on an additional function as a tumor-secreted cytokine and angiogenic factor.
Molecular Mass	62.8 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 g/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Gpi1 glucose-6-phosphate isomerase 1 [Mus musculus (house mouse)]
Official Symbol	Gpi1
Synonyms	Gpi1; glucose-6-phosphate isomerase 1; MF; NK; Amf; Gpi; Nlk; Org; Pgi; Phi; Gpi-1; Gpi1s; Gpi-1r; Gpi-1s; Gpi-1t; Gpi1-r; Gpi1-s; Gpi1-t; NK/GPI; glucose-6-phosphate isomerase; autocrine motility factor; glucose phosphate isomerase 1 complex; glucose phosphate isomerase 1, regulatory; glucose phosphate isomerase 1, structural; glucose phosphate isomerase 1, temporal; maturation factor; neuroleukin; phosphoglucose isomerase; phosphohexose isomerase; EC 5.3.1.9
Gene ID	14751
mRNA Refseq	NM_008155
Protein Refseq	NP_032181
UniProt ID	P06745

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