Recombinant Human OPA1 cell lysate

Cat. No. OPA1-1251HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Description	This gene product is a nuclear-encoded mitochondrial protein with similarity to dynamin-related GTPases. It is a component of the mitochondrial network. Mutations in this gene have been associated with optic atrophy type 1, which is a dominantly inherited optic neuropathy resulting in progressive loss of visual acuity, leading in many cases to legal blindness. Multiple transcript variants encoding different isoforms have been found for this gene.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	OPA1 optic atrophy 1 (autosomal dominant) [Homo sapiens]
Official Symbol	OPA1
Synonyms	OPA1; optic atrophy 1 (autosomal dominant); dynamin-like 120 kDa protein, mitochondrial; dynamin like guanosine triphosphatase; FLJ12460; KIAA0567; MGM1; mitochondrial dynamin like GTPase; NPG; NTG; optic atrophy protein 1;

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	mitochondrial dynamin-like GTPase; dynamin-like guanosine triphosphatase; mitochondrial dynamin-like 120 kDa protein; largeG;
Gene ID	4976
mRNA Refseq	NM_015560
Protein Refseq	NP_056375
MIM	605290
UniProt ID	O60313
Chromosome Location	3q28-q29
Function	GTP binding; GTPase activity; magnesium ion binding; nucleotide binding; protein binding;

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