Human GNB2 Knockdown Cell Line (WB-Validated)

Catalog #: C63512

Aliases

GNB2; Transducin Beta Chain 2; Signal-Transducing Guanine Nucleotide-Binding Regulatory Protein Beta Subunit 2; Guanine Nucleotide Binding Protein (G Protein), Beta Polypeptide 2; Guanine Nucleotide-Binding Protein G(I)/G(S)/G(T) Beta Subunit 2; Guanine Nucleotide-Binding Protein G(I)/G(S)/G(T) Subunit Beta-2; G Protein, Beta-2 Subunit; G Protein Subunit Beta-2; Heterotrimeric Guanine Nucleotide-Binding Protein 2C1; Epididymis Secretory Sperm Binding Protein; SSS4; NEDHYDF; HG2C1;SSS4

Background

Gene Name: GNB2
NCBI Gene Entry: 2783

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human GNB2 Knockdown Cell Line (Wb-Validated)
2. Wild-type cell line

Parental Cell Line

Human cell line supplied by the client

Validation Methods

RT-qPCR, Western blotting (WB)

Shipping

Shipped on Dry Ice.

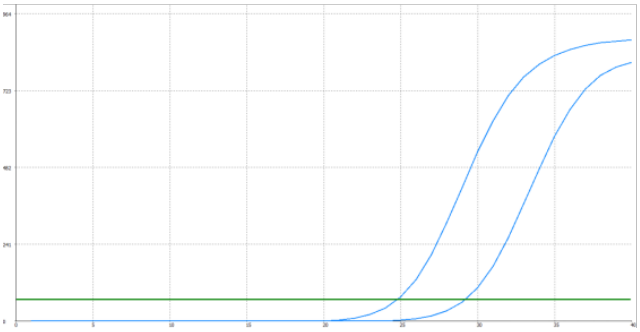
Instructions For Use

This knockdown cell line should be paired with wild-type cell line for use.

Note: This product is for research use only.

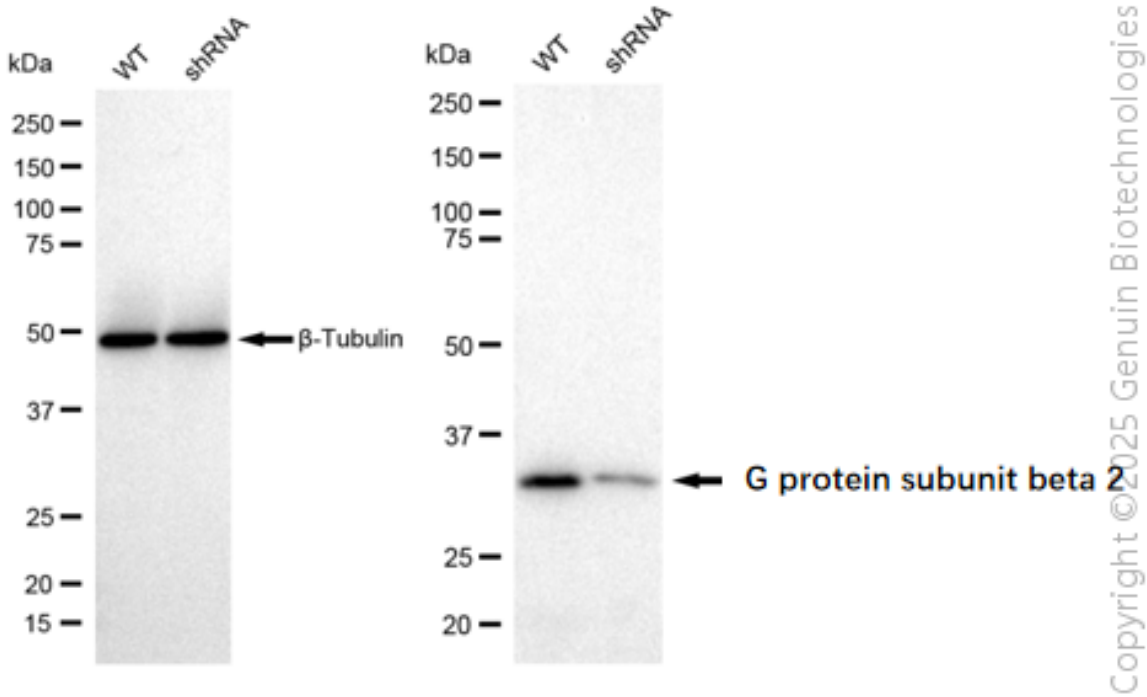
Validation Data

Human GNB2 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	24.63
Knock-Down	28.94
ΔCt (CtKD-CtWT)	4.31
% mRNA Reduction	95%

RT-qPCR analysis. HeLa cells were infected with GNB2-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. ΔCt (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: (1-1/2ΔCt) x 100%.



Western blotting analysis. GNB2 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. β-Tubulin served as a loading control. The blots were incubated with primary antibodies against GNB2 and β-Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.