Human HPRT1 Knockdown Cell Lysate

Cat. No. HPRT1-353HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated HPRT1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	The protein encoded by this gene is a transferase, which catalyzes conversion of hypoxanthine to inosine monophosphate and guanine to guanosine monophosphate via transfer of the 5-phosphoribosyl group from 5-phosphoribosyl 1-pyrophosphate. This enzyme plays a central role in the generation of purine nucleotides through the purine salvage pathway. Mutations in this gene result in Lesch-Nyhan syndrome or gout.
Form	Cell-Tissue Lysis buffer
Molecular Mass	25 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific

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Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg HPRT1 KD HeLa cell lysate
Protein Families	Druggable Genome, Stem cell - Pluripotency
Protein Pathways	Drug metabolism - other enzymes, Metabolic pathways, Purine metabolism
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	HPRT1 hypoxanthine phosphoribosyltransferase 1 [Homo sapiens (human)]
Official Symbol	HPRT1
Synonyms	HPRT1; hypoxanthine phosphoribosyltransferase 1; HPRT; hypoxanthine-guanine phosphoribosyltransferase; HGPRT; Lesch Nyhan syndrome; HGPRTase;
Gene ID	3251
mRNA Refseq	NM_000194
Protein Refseq	NP_000185
MIM	308000
UniProt ID	P00492

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