Human PEPD Knockdown Cell Lysate

Cat. No. PEPD-268HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated PEPD Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene encodes a member of the peptidase family. The protein forms a homodimer that hydrolyzes dipeptides or tripeptides with C-terminal proline or hydroxyproline residues. The enzyme serves an important role in the recycling of proline, and may be rate limiting for the production of collagen. Mutations in this gene result in prolidase deficiency, which is characterized by the excretion of large amount of di- and tri-peptides containing proline. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	Cell-Tissue Lysis buffer
Molecular Mass	55 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.

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Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg PEPD KD HeLa cell lysate
Protein Families	Druggable Genome, Protease
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	PEPD peptidase D [Homo sapiens (human)]
Official Symbol	PEPD
Synonyms	PEPD; peptidase D; xaa-Pro dipeptidase; prolidase; imidodipeptidase; X-Pro dipeptidase; proline dipeptidase; aminoacyl-L-proline hydrolase; PROLIDASE; MGC10905;
Gene ID	5184
mRNA Refseq	NM_000285
Protein Refseq	NP_000276
MIM	613230
UniProt ID	P12955

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