

## Human ALPI Knockdown Cell Lysate

**Cat. No.** ALPI-471HKCL    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | WB-validated ALPI Knockdown HeLa Cell Lysate                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | HeLa                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | There are at least four distinct but related alkaline phosphatases: intestinal, placental, placental-like, and liver/bone/kidney (tissue non-specific). The intestinal alkaline phosphatase gene encodes a digestive brush-border enzyme. This enzyme is a component of the gut mucosal defense system and is thought to function in the detoxification of lipopolysaccharide, and in the prevention of bacterial translocation in the gut. |
| <b>Form</b>             | Cell-Tissue Lysis buffer                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | 57 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Notes</b>            | 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.                                                                                                                                                            |
| <b>Storage</b>          | Store at -20 centigrade for two years.                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Concentration</b>    | Lot-specific                                                                                                                                                                                                                                                                                                                                                                                                                                |

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|                         |                                                                                |
|-------------------------|--------------------------------------------------------------------------------|
| <b>Shipping</b>         | Blue Ice                                                                       |
| <b>Components</b>       | 1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg ALPI KD HeLa cell lysate |
| <b>Protein Families</b> | Druggable Genome                                                               |
| <b>Protein Pathways</b> | Folate biosynthesis, Metabolic pathways                                        |
| <b>Lysate QC</b>        | RT-qPCR; Western Blotting (WB)                                                 |

## GENE INFORMATION

|                        |                                                                                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | ALPI alkaline phosphatase, intestinal [ Homo sapiens (human) ]                                                                                                                          |
| <b>Official Symbol</b> | ALPI                                                                                                                                                                                    |
| <b>Synonyms</b>        | ALPI; alkaline phosphatase, intestinal; intestinal-type alkaline phosphatase; Kasahara isozyme; glycerophosphatase; alkaline phosphomonoesterase; intestinal alkaline phosphatase; IAP; |
| <b>Gene ID</b>         | 248                                                                                                                                                                                     |
| <b>mRNA Refseq</b>     | NM_001631                                                                                                                                                                               |
| <b>Protein Refseq</b>  | NP_001622                                                                                                                                                                               |
| <b>MIM</b>             | 171740                                                                                                                                                                                  |
| <b>UniProt ID</b>      | P09923                                                                                                                                                                                  |

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