

## Recombinant Human ALOX12B, GST-tagged

**Cat. No.** ALOX12B-9590H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant Human ALOX12B protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.  |
| <b>Species</b>          | Human  |
| <b>Source</b>           | E.coli   |
| <b>ProteinLength</b>    | 352-701a.a.  |
| <b>Description</b>      | This gene encodes an enzyme involved in the conversion of arachidonic acid to 12R-hydroxyeicosatetraenoic acid. Mutations in this gene are associated with nonbullous congenital ichthyosiform erythroderma. |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.  |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.  |

### GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | ALOX12B arachidonate 12-lipoxygenase, 12R type [ Homo sapiens ] |
| <b>Official Symbol</b> | ALOX12B   |

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|----------------------------|--|
| <b>Synonyms</b>            | ALOX12B; arachidonate 12-lipoxygenase, 12R type; arachidonate 12-lipoxygenase, 12R-type; 12R LOX; 12R-lipoxygenase; epidermis-type lipoxygenase 12; 12R-LOX;   |
| <b>Gene ID</b>             | <a href="#">242</a>  |
| <b>mRNA Refseq</b>         | <a href="#">NM_001139</a>  |
| <b>Protein Refseq</b>      | <a href="#">NP_001130</a>  |
| <b>MIM</b>                 | <a href="#">603741</a>   |
| <b>UniProt ID</b>          | <a href="#">O75342</a>   |
| <b>Chromosome Location</b> | 17p13.1  |
| <b>Pathway</b>             | Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; IL23-mediated signaling events, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Serotonergic synapse, organism-specific biosystem; |
| <b>Function</b>            | arachidonate 12-lipoxygenase activity; iron ion binding; lipoxygenase activity; metal ion binding; oxidoreductase activity;  |

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