

Recombinant Human ALOX12B protein, His & T7-tagged

Cat. No. ALOX12B-7852H Lot. No. (See product label)

SPECIFICATION

| | |
|-------------------------|--|
| Product Overview | Recombinant Human ALOX12B aa. (Leu479~Ile701 (Accession # O75342)) fused with N-terminal His & T7 tag was produced in E. coli cells. |
| Species | Human |
| Source | E.coli |
| ProteinLength | Leu479~Ile701 |
| Description | 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. |
| Form | Freeze-dried powder |
| Molecular Mass | Predicted Molecular Mass: 29.6kDa |
| Endotoxin | <1.0EU per 1ug (determined by the LAL method) |
| Purity | >90% |
| Characteristic | The isoelectric point is 5.2. |
| Applications | SDS-PAGE; WB; ELISA; IP |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|-----------------------|---|
| Stability | The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition. |
| Storage | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
| Storage Buffer | Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative. |
| Reconstitution | Reconstitute in sterile ddH ₂ O. |

GENE INFORMATION

| | |
|------------------------|---|
| Gene Name | ALOX12B arachidonate 12-lipoxygenase, 12R type [Homo sapiens (human)] |
| Official Symbol | ALOX12B |
| Synonyms | ALOX12B; arachidonate 12-lipoxygenase, 12R type; ARCI2; 12R-LOX; arachidonate 12-lipoxygenase, 12R-type; 12R-lipoxygenase; epidermis-type lipoxygenase 12 |
| Gene ID | 242 |
| mRNA Refseq | NM_001139.2 |
| Protein Refseq | NP_001130.1 |
| UniProt ID | O75342 |

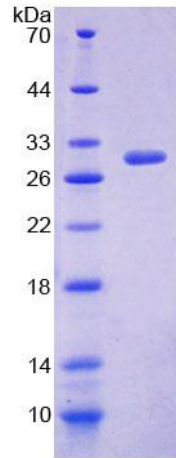
 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



SDS-PAGE



Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA