

Recombinant Full Length Human ALOX12B Protein, GST-tagged

Cat. No. ALOX12B-1467HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ALOX12B full-length ORF (NP_001130.1, 1 a.a. - 701 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	701 amino acids
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. [provided by RefSeq, Sep 2015]
Molecular Mass	106.8 kDa
AA Sequence	MATYKVRVAT GTDLLSGTRD SISLTIVGTQ GESHKQLLNH FGRDFATGAV GQYTVQCPQD LGELIIRLH KERYAFFPKD PWYCNVQIC APNGRIYHFP AYQWMDGYET LALREATGKT TADDSLPVLL EHRKEEIRAK QDFYHWRVFL PGLPSYVHIP SYRPPVRRHR NPNRPEWNGY IPGFPILINF KATKFLNLNL RYSFLKTASF FVRLGPMALA FKVRGLLDCK HSWKRLKDIR KIFPGKKSIV SEYVAEHWAE DTFFGYQYLN GVNPLIRRC TRIPDKFPVT DDMVAPFLGE GTCLQAELEK GNIYLADYRI MEGIPTVELS GRKQHHCAPL CLLHFGPEGK MMPIAIQLSQ TPGPDCPIFL PSDSEWDWLL AKTWVRYAEF YSHEAIAHLL ETHLIAEAF LALLRNLPML HPLYKLLIPH TRYTVQINSI GRAVLLNEGG

 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

LSAKGMSLGV EGFAGVMVRA LSELTYSLSY LPNDFVERGV QDLPGYYYRD
 DSLAVWNALE KYVTEIITYY YPSDAAVEGD PELQSWVQEI FKECLLGRES
 SGFPRCLRTV PELIRYVTIV IYTCSAKHAA VNTGQMEFTA WMPNFPASMR
 NPPIQTKGLT TLETFMDTLP DVKTTCTILL VLWTLSPEDD DRRPLGHFPD
 IHFVEEAPRR SIEAFRQRLN QISHDIRQRN KCLPIPYYYL DPVLIENSIS I

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[ALOX12B arachidonate 12-lipoxygenase, 12R type \[Homo sapiens \]](#)

Official Symbol

[ALOX12B](#)

Synonyms

ALOX12B; arachidonate 12-lipoxygenase, 12R type; arachidonate 12-lipoxygenase,
 12R-type; 12R LOX; 12R-lipoxygenase; epidermis-type lipoxygenase 12; 12R-LOX

Gene ID

[242](#)

mRNA Refseq

[NM_001139](#)

Protein Refseq

[NP_001130](#)

MIM

[603741](#)

UniProt ID

[O75342](#)

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