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Recombinant Arachidonate-12-Lipoxygenase, 12R Type (ALOX12B)

Catalog Number: SIPD054Hu01 **Spec: 100ug**

Product Name	Recombinant Arachidonate-12-Lipoxygenase, 12R Type (ALOX12B)
Catalog Number	SIPD054Hu01
Organism Species	Human
Residues	Leu479~Ile701
Tags	Two N-terminal Tags, His-tag and T7-tag
Accession	O75342
Host	E. coli
Subcellular Location	Cytoplasm.
Purity	>90%
Endotoxin Level	<1.0EU per 1μg (determined by the LAL method).
Formulation	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Predicted isoelectric point	5.2
Predicted Molecular Mass	29.6kDa
Applications	SDS-PAGE; WB; ELISA; IP. (May be suitable for use in other assays to be determined by the end user.)

[USAGE]

Reconstitute in sterile ddH2O.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8oC for one month.

Aliquot and store at -80oC for 12 months.

Stability Test: 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 37oC for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological

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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.

[SEQUENCES]

The sequence of the target protein is listed below. LY LPNDFVERGV QDLPGYYYRD DSLAVWNALE KYVTEIITYY YPSDAAVEGD PELQSWVQEI FKECLLGRES SGFPRCLRTV PELIRYVTIV IYTCSAKHAA VNTGQMEFTA WMPNFPASMR NPPIQTKGLT TLETFMDTLP DVKTTCITLL VLWTLSREPD DRRPLGHFPD IHFVEEAPRR SIEAFRQRLN QISHDIRQRN KCLPIPYYYL DPVLIENSIS I