

Native potato LOC102577615 Protein

Cat. No. LOC102577615-59P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native potato LOC102577615 protein without tag was isolated from fresh potato tubers.
Species	Potato
Source	Potato
Molecular Mass	85 kDa
Unit Definition	One unit of enzyme consumes one nanomole of oxygen per minute at 25 centigrade in 0.1 M phosphate buffer, pH 6.3, containing 200 µM linoleate and 5 mM EDTA (the activity is about three times lower with arachidonate as substrate). 5-Lipoxygenase activity is measured at 25 centigrade by monitoring oxygen consumption using a Gilson Model 5/6 H oxygraph equipped with a Clark oxygen electrode.
Stability	≥ 6 months
Storage	Store it at -80 centigrade
Storage Buffer	0.1 M phosphate buffer, pH 6.3, containing EDTA and ammonium sulfate

GENE INFORMATION

Gene Name	LOC102577615 5-lipoxygenase [<i>Solanum tuberosum</i> (potato)]
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Official Symbol	LOC102577615
Synonyms	LOC102577615; 5-lipoxygenase; 5-lipoxygenase
Gene ID	102577615
mRNA Refseq	NM_001288422
Protein Refseq	NP_001275351
UniProt ID	O49150

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