

Recombinant Human LACRT protein, His & GST-tagged

Cat. No. LACRT-7905H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LACRT aa. (Glu20~Ala138 (Accession # Q9GZZ8)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Glu20~Ala138
Description	The protein encoded by this gene is highly expressed in the lacrimal glands and localized primarily to secretory granules and secretory fluid. It augments lacrimal acinar cell secretion, promotes ductal cell proliferation, and stimulates signaling through tyrosine phosphorylation and release of calcium.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 44.7kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.1.
Applications	SDS-PAGE; WB; ELISA; IP.

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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 PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

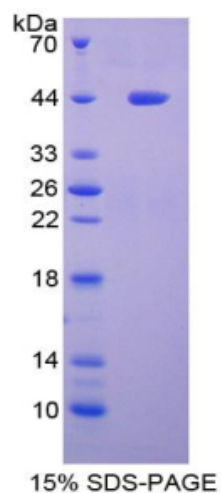
Gene Name	LACRT lacritin [Homo sapiens (human)]
Official Symbol	LACRT
Synonyms	LACRT; lacritin; extracellular glycoprotein lacritin
Gene ID	90070
mRNA Refseq	NM_033277.1
Protein Refseq	NP_150593.1
UniProt ID	Q9GZZ8

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SDS-PAGE



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