

Recombinant Mouse Pla2g2e protein, His-tagged

Cat. No. Pla2g2e -1196M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Pla2g2e (Met 1-Cys 142) fused with His tag at C-terminal was expressed in Insect cells.
Species	Mouse
Source	HEK293
ProteinLength	Met 1-Cys 142
Predicted N Terminal	Asn 20
Form	Lyophilized from sterile PBS, 10% glycerol, pH 7.41. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.2. Please contact us for any concerns or special requirements.
Molecular Mass	The secreted recombinant mouse PLA2G2E comprises 134 amino acids and has a calculated molecular mass of 15.5 kDa. The apparent molecular mass of the recombinant protein is approximately 18 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	>97 % as determined by SDS-PAGE

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Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	Pla2g2e phospholipase A2, group IIE [Mus musculus]
Official Symbol	Pla2g2e
Synonyms	PLA2G2E; phospholipase A2, group IIE; group IIE secretory phospholipase A2; sPLA2-IIE; GIIE sPLA2; mGIIEsPLA2s; phosphatidylcholine 2-acylhydrolase 2E;
Gene ID	26970
mRNA Refseq	NM_012044
Protein Refseq	NP_036174
MIM	

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UniProt ID	Q9QUL3
Chromosome Location	4; 4 D3
Pathway	Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Ether lipid metabolism, organism-specific biosystem; Ether lipid metabolism, conserved biosystem; Fat digestion and absorption, organism-specific biosystem; Fat digestion and absorption, conserved biosystem; Fc epsilon RI signaling pathway, organism-specific biosystem;
Function	calcium ion binding; hydrolase activity; metal ion binding; phospholipase A2 activity;

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