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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

PLA2G4A

Human, recombinant, C-terminal Flag-His tag
Catalog #: 60094
Lot #: 130425-HF Conc.: 0.1 mg/ml

Formulated in: 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 80ug/ml Flag peptide, and 20% glycerol.

Stability: >6 months at –80°C

References:

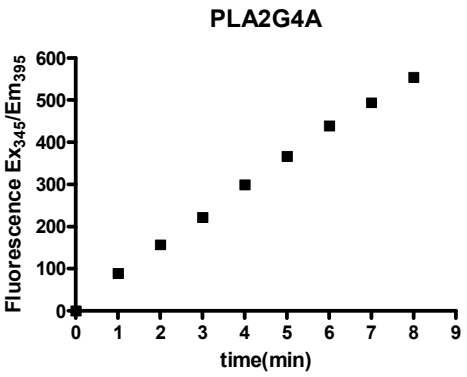
1. Chalimoniuk M. *Postepy Biochem*. 2012; **58(2):**204-8.
2. Nadalin S, Giacometti J, *et al., Prostaglandins Leukot Essent Fatty Acids*. 2013; **88(2):**185-90.

Description: Human PLA2G4A, GenBank Accession No. NM_024420, a.a. 1-749 (end), with C-terminal Flag-His tag, MW=87 kDa, expressed in a baculovirus expression system.

Specific Activity: 57 pmol/min/µg.
Assay Conditions: PLA reaction was done using the 1-Hexadecanoyl-2-(1-prenedeca-noyl)-*sn*-Glycero-3-phosphocholine substrate. Enzyme reaction is conducted in 100 µl volume containing 50 mM Tris pH 8.0, 500 mM NaCl, 10 mM $CaCl_2$, 0.5 mg/ml BSA, 10 µM substrate and 200 ng PLA2G4A. Reaction progress was monitored at ex_{345}/em_{395} for 10 minutes continuously at room temperature.

Application:
Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

Specific Activity

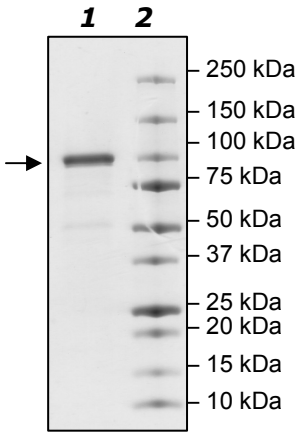


4-20% SDS-PAGE
Coomassie staining

Lane 1:
PLA2G4A
(0.9ug loaded)
Lane 2:
Protein Marker

Purity: ≥87%

MW: 87 kDa



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Sequence:

MSFIDPYQHIIVEHQYSHKFTVVVLRATKVTKGAFGDMLDTPDPYVELFISTTPDSRKRT
RHFNNDINPVWNETFEFILDPNQENVLEITLMDANYVMDETLGTATFTVSSMKVGEKKE
VPFIFNQVTEMVLEMSLEVCSCPDLRFSMALCDQEKTFRQQRKEHIRESMKKLLGPKN
SEGLHSARDVPVVAILGSGGGFRAMVGFSGVMKALYESGILDCATYVAGLSGSTWYM
STLYSHPDFPEKGPEEINEELMKNVSHNPLLLLTPQKVKRYVESLWKKKSSGQPVTFTD
IFGMLIGETLIHNRMNTTLSSLKEKVNTAQCPLPLFTCLHVKPDVSELMFADWVEFSPYE
IGMAKYGTFMAPDLFGSKFFMGTVVKKYEENPLHFLMGVWGSAFSILFNRVLGVSGSQ
SRGSTMEEELENITTKHIVSNDSSDSDDESHEPKGTENEDAGSDYQSDNQASWIHRMI
MALVSDSALFNTREGRAGKVHNFMLGLNLNTSYPLSPLSDFATQDSFDDDELDAAVAD
PDEFERIYEPLDVKSKKIHVVDSGLTFNLPYPLILRPQRGVDLIISFDFSARPSDSSPPFK
ELLLAEKWAKMNKLPFPKIDPYVFDREGLKECYVFKPKNPDMEKDCPTIIHFVLANINFR
KYKAPGVPRETEEEKEIADFDIFDDPESPFSTFNFQYPNQAFKRLHDLMHFNTLNNIDVI
KEAMVESIEYRRQNPSRCSVSLSNVEARRFFNKEFLSKPKADYKDDDDKHHHHHH

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