

Fatty acid desaturase 2

Catalog No: #AP78505

Package Size: #AP78505-1 50ug #AP78505-2 100ug #AP78505-3 1mg

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Description

Product Name	Fatty acid desaturase 2
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Mouse
Immunogen Description	327-444AA
Other Names	Fad2,Delta(6) fatty acid desaturase,D6D
Accession No.	Q9Z0R9Gene name:Fads2
Uniprot	Q9Z0R9
GeneID	56473;
Calculated MW	12.98
Tag Info	His
Formulation	50mM NaH ₂ PO ₄ , 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.)Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Component of a lipid metabolic pathway that catalyzes biosynthesis of highly unsaturated fatty acids (HUFA) from precursor essential polyunsaturated fatty acids (PUFA) linoleic acid (LA) (18:2n-6) and alpha-linolenic acid (ALA) (18:3n-3). Catalyzes the first and rate limiting step in this pathway which is the desaturation of LA (18:2n-6) and ALA (18:3n-3) into gamma-linolenic acid (GLA) (18:3n-6) and stearidonic acid (18:4n-3) respectively and other desaturation steps. Highly unsaturated fatty acids (HUFA) play pivotal roles in many biological functions.

References

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Note: This product is for in vitro research use only