

Recombinant Full Length Rat Sphingolipid Delta(4)-Desaturase/C4-Hydroxylase Des2(Degs2) Protein, His-Tagged

Cat. No. RFL25087RF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Rat Sphingolipid delta(4)-desaturase/C4-hydroxylase DES2(Degs2) Protein (Q564G3) (2-323aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Full Length of Mature Protein (2-323)
Form	Lyophilized powder
AA Sequence	GNSAARSDFEWVYSDQPHTQRRKEMLAKYPSIKALMRPDPNIKWTVLGMVLVQVLA CWLVRGLSWRWLLFWAYAFGGCINHSLTLAIHDISHNTAFGTRCASRNRFVFAVFA NLPIGLPYA TSFKKYHVDHHRYLGGDGLDVDIPTDFEGWFFCTPARKLLWLVLQPFF YSLRPLYVNPKA VTRMEILNALVQLAFNVTIFALWGIKAIVYLLASSLLGLGLHPISGH FVAEHYMLKGHE TYSYYGPLNWITFNVG YHVEHHDFPSIPGCYLPLVRMIAPEYYD HLPQHHSWVKVLWDFV FEDSLGPYSRVKRKCKLAKDQL
Purity	Greater than 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

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Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
GENE INFORMATION	
Gene Name	Degs2
Synonyms	Degs2; Des2; Sphingolipid delta(4-desaturase/C4-monooxygenase DES2; Degenerative spermatocyte homolog 2; Sphingolipid 4-desaturase; Sphingolipid C4-monooxygenase
UniProt ID	Q564G3