

Recombinant Human FRRS1 Protein

Cat. No. FRRS1-4505H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FRRS1 full-length ORF (AAI56176.1) recombinant protein without tag.
Species	Human
Source	Wheat Germ
Description	Members of the cytochrome b561 (CYB561; MIM 600019) family, including FRRS1, reduce ferric to ferrous iron before its transport from the endosome to the cytoplasm (Vargas et al., 2003 [PubMed 14499595]).[supplied by OMIM]
Form	Liquid
Molecular Mass	68.9 kDa
AA Sequence	MAVSGFTLGTCILLHISYVANYPNGKVTQSCHGMIPEHGHSPQSVPVHDIYVSQMT FRPGDQIEVTLSGHPFKGFLLEARNALNGPPIGSFTLIDSEVSQLLTCEDIQGS AV SHRSASKKTEIKVYWNAPSSAPNHTQFLVTVEKYKIYVWKIPGPIISQPNAPFTTP KATVVPLPTLPPVSHLT KPFSASDCGNKKFCIRSPLNCDPEKEASCVFLSFTRDDQS VMVEMSGPSKGYLSFALSHDQWMGDDDAYLCIHEDQTVYIQPSHLTGRSHPVMD S RDTLEDMAWRLADGVMQCSFRRNITLPGVKNRFDLNTSYIFLADGAANDGRIYKH SQQPLITYEKYDVTDSPKNIGGSHSVLLLKVHGALMFVAWMTTVSIGVLVARFFKPV WSKAFLLGAAWFQVHRMLMFTTTVLT CIAFVMPFIYRGGWSRHAGYHPYLG CIVM TLAVLQPLLAVFRPPLHDPRRQMFNWTHWSMGTAARIIAVAAMFLGMDLPGLNLPD SWKTYAMTGFVAWHVGTEVVLELKYWMMTEFRSFSHLLQWKQRVMLLKRQCWQF MSVGMLLFSSYFYLQSTIYEQA KTLAFAGQVIIIKPKKLEACPDCLEHICEFSLGRLGS

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Applications	Antibody Production Functional Study Compound Screening
Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	25 mM Tris-HCl of pH8.0 containing 2% glycerol.

GENE INFORMATION

Gene Name	FRRS1 ferric-chelate reductase 1 [Homo sapiens]
Official Symbol	FRRS1
Synonyms	SDR2; SDFR2; FRRS1; ferric-chelate reductase 1; Ferric Chelate Reductase 1; Stromal Cell-Derived Receptor 2; Ferric-Chelate Reductase 1; SDFR2; SDR-2; SDR2; Stromal Cell Derived Factor Receptor 2 Homolog (Mouse); Stromal Cell Derived Factor Receptor 2 Homolog; EC 1.-.-.-
Gene ID	391059
mRNA Refseq	NM_001013660
Protein Refseq	NP_001013682

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MIM	611578
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UniProt ID	Q6ZNA5
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