

Recombinant Human NFS1 protein, GST-tagged

Cat. No. NFS1-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human NFS1 partial ORF (NP_858931.1, 29 a.a. - 138 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Iron-sulfur clusters are required for the function of many cellular enzymes. The proteins encoded by this gene supply inorganic sulfur to these clusters by removing the sulfur from cysteine, creating alanine in the process. This gene uses alternate in-frame translation initiation sites to generate mitochondrial forms and cytoplasmic/nuclear forms. Selection of the alternative initiation sites is determined by the cytosolic pH. The encoded proteins belong to the class-V family of pyridoxal phosphate-dependent aminotransferases. Alternatively spliced transcript variants have been described.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	37.84 kDa
AA Sequence	LRLRVGDRAPQSAVPADTAAPEVGPVLRPLYMDVQATTPLDPRVLDAMLPYLINYY GNPHSRTHAYGWEEAAMERARQQVASLIGADPREIIFTSGATESNNIAIKTE
Purity	Glutathione Sepharose 4 Fast Flow

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
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.

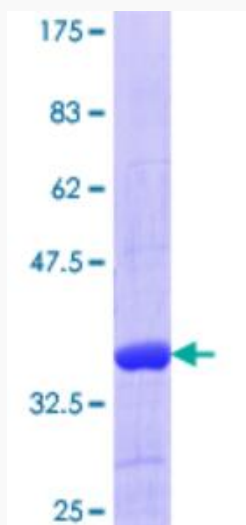
GENE INFORMATION

Gene Name	NFS1 NFS1 cysteine desulfurase [Homo sapiens (human)]
Official Symbol	NFS1
Synonyms	HUSSY-08, IscS, NIFS
Gene ID	9054
mRNA Refseq	NM_181679
Protein Refseq	NP_858931
MIM	603485
UniProt ID	Q9Y697

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12.5% SDS-PAGE Stained with Coomassie Blue.

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