Recombinant Human MRPL24 Protein, GST-tagged

Cat. No. MRPL24-5569H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL24 full-length ORF (NP_078816.2, 1 a.a. - 216 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 39S subunit protein which is more than twice the size of its E.coli counterpart (EcoL24). Sequence analysis identified two transcript variants that encode the same protein. [provided by RefSeq
Molecular Mass	51.3 kDa
AA Sequence	MRLSALLALASKVTLPPHYRYGMSPPGSVADKRKNPPWIRRRPVVVEPISDEDWYL FCGDTVEILEGKDAGKQGKVVQVIRQRNWVVVGGLNTHYRYIGKTMDYRGTMIPSE APLLHRQVKLVDPMDRKPTEIEWRFTEAGERVRVSTRSGRIIPKPEFPRADGIVPET

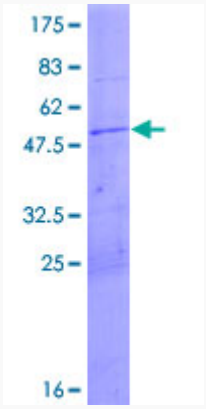
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	WIDGPKDTSVEDALERTYVPCLKTLQEEVMEAMGIKETRKYKKVYWY
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCI, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	MRPL24 mitochondrial ribosomal protein L24 [Homo sapiens]
Official Symbol	MRPL24
Synonyms	MRPL24; mitochondrial ribosomal protein L24; MRP-L18;
Gene ID	64991

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Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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