

Recombinant Human MYO5A Protein, GST-tagged

Cat. No. MYO5A-5841H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MYO5A partial ORF (NP_000250.1, 1758 a.a. - 1853 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene is one of three myosin V heavy-chain genes, belonging to the myosin gene superfamily. Myosin V is a class of actin-based motor proteins involved in cytoplasmic vesicle transport and anchorage, spindle-pole alignment and mRNA translocation. The protein encoded by this gene is abundant in melanocytes and nerve cells. Mutations in this gene cause Griscelli syndrome type-1 (GS1), Griscelli syndrome type-3 (GS3) and neuroectodermal melanolysosomal disease, or Elejalde disease. Multiple alternatively spliced transcript variants encoding different isoforms have been reported, but the full-length nature of some variants has not been determined. [provided by RefSeq]
Molecular Mass	36.3 kDa
AA Sequence	KKTDDDAEAI CSMCNALTTAQIVKVLNLYTPVNEFEERVSVSFIRTIQMRLRDRKDSP QLLMDAKHIFPVTFFPNPSSLALETIQIPASLGLGFIS
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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 45-1 Ramsey Road, Shirley, NY 11967, USA

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-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

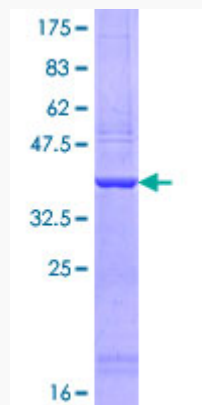
GENE INFORMATION

Gene Name	MYO5A myosin VA (heavy chain 12, myoxin) [Homo sapiens]
Official Symbol	MYO5A
Synonyms	MYO5A; myosin VA (heavy chain 12, myoxin); MYH12, myosin VA (heavy polypeptide 12, myoxin); unconventional myosin-Va; GS1; MYO5; myosin heavy chain 12; myosin V; myosin; heavy polypeptide kinase; myoxin; MYR12; myosin-12; myosin-Va; myosin, heavy polypeptide kinase; dilute myosin heavy chain, non-muscle; MYH12;
Gene ID	4644
mRNA Refseq	NM_000259
Protein Refseq	NP_000250
MIM	160777
UniProt ID	Q9Y4I1

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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