

Recombinant Human VPS37A protein, His & T7-tagged

Cat. No. VPS37A-1443H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human VPS37A aa. (Met1~Leu397 (Accession # Q8NEZ2)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Leu397
Description	This gene belongs to the VPS37 family, and encodes a component of the ESCRT-I (endosomal sorting complex required for transport I) protein complex, required for the sorting of ubiquitinated transmembrane proteins into internal vesicles of multivesicular bodies. Expression of this gene is downregulated in hepatocellular carcinoma, and mutations in this gene are associated with autosomal recessive spastic paraplegia-53. A related pseudogene has been identified on chromosome 5. Alternatively spliced transcript variants have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 48.0kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	5.4

GENE INFORMATION

Gene Name	VPS37A VPS37A, ESCRT-I subunit [Homo sapiens (human)]
Official Symbol	VPS37A
Synonyms	VPS37A; VPS37A, ESCRT-I subunit; HCRP1; PQBP2; SPG53; vacuolar protein sorting-associated protein 37A; ESCRT-I complex subunit VPS37A; hepatocellular carcinoma-related protein 1; polyglutamine binding protein 2; vacuolar protein sorting 37 homolog A
Gene ID	137492
mRNA Refseq	NM_001145152.1

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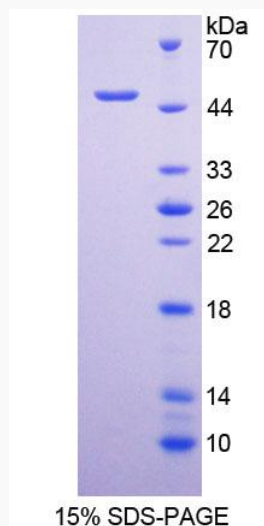
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Protein Refseq NP_001138624.1

UniProt ID Q8NEZ2

SDS-PAGE



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