PRODUCT INFORMATION

Target	VPS4
Synonyms	CIMDAG;SKD1;SKD1A;SKD2;VPS4A;VPS4-1
Description	Recombinant Human VPS4 Protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	Q9UN37
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	VPS4(Met1-Ser437) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 49.7 kDa after removal of the signal peptide. The apparent molecular mass of VPS4-His is approximately 55-70 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	The protein encoded by this gene is a member of the AAA protein family (ATPases associated with diverse cellular activities), and is the homolog of the yeast Vps4 protein. In humans, two paralogs of the yeast protein have been identified. The former share a high degree of aa sequence similarity with each other, and also with yeast Vps4 and mouse Skd1 proteins. The mouse Skd1 (suppressor of K transport defect 1) has been shown to be really an yeast Vps4 ortholog. Functional studies indicate that both human paralogs associate with the endosomal compartments, and are involved in intracellular protein trafficking, similar to Vps4 protein in yeast. The gene encoding this paralog has been mapped to chromosome 16; the gene for the other resides on chromosome 18. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated

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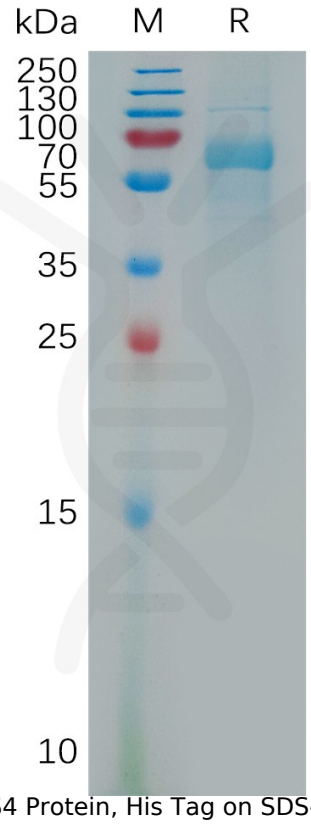


Figure 1.Human VPS4 Protein, His Tag on SDS-PAGE under reducing condition.

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