

Datasheet for ABIN7557621

Solute Carrier Family 34 (Type II Sodium/phosphate Contransporter), Member 1 (SLC34A1) (AA 1-637) protein (His tag)



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Overview

Quantity:	1 mg
Target:	Solute Carrier Family 34 (Type II Sodium/phosphate Contransporter), Member 1 (SLC34A1)
Protein Characteristics:	AA 1-637
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Slc34a1 Protein expressed in mammalian cells.
Sequence:	<p>MMSYSERLGG PAVSPLPVRG RHMVHGATFA YVPSPQVLHR IPGTSTY AIS SLSPVTLTEH</p> <p>SCPCGEVLEC HDPLPTKLAQ EEEQKPEPRL SQKLAQVGTK LLKVPLMLAF LYLFVCSLDV</p> <p>LSSAFQLAGG KVAGDIFKDN AILSNPVAGL VVGILVTVLV QSSSTSTSII VSMVSSGLLE</p> <p>VSSAIIIMG SNIGTSVTNT IVALMQAGDR TDFRAAFAGA TVHDCFNWLS VLVLLPLEAA</p> <p>TGYLHHVTGL VVASFNIRGG RDAPDLLKVI TEPFTRLIIQ LDKSVITSIA VGDESLRNHS</p> <p>LIRIWCHPDT TEASTSMSRV EAIGSLANTT MEKCNHIFVD TGLPDLAVGL ILLAGSLVVL</p> <p>CTCLILLVKM LNSLLKGQVM SSRRSSTQTD FPAPFTWVTG YFAMVVGASM TFVVQSSSVF</p> <p>TSAITPLIGL GVISIERAYP LTGSGNIGTT TTAILAALAS PREKLSSSFQ IALCHFFFNI SGILLWYPLP</p> <p>CTRLPIIRMAK ALGKRTAKYR WFAVLYLLVC FLLPLSLVFG ISMAGWQAMV GVGTPFGALL</p> <p>AFVVLVNVLQ SRSPGHLPKW LQTWDFLPRW MHS LQPLDGL ITRATLCYAR PEPRSPQLPP</p> <p>RVFLEELPPA TSPRLALPA HHNATRL Sequence without tag. The proposed Purification-Tag</p>

is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	Solute Carrier Family 34 (Type II Sodium/phosphate Contranporter), Member 1 (SLC34A1)
Alternative Name:	Slc34a1 (SLC34A1 Products)
Background:	Sodium-dependent phosphate transport protein 2A (Sodium-phosphate transport protein 2A) (Na(+)-dependent phosphate cotransporter 2A) (NaPi-7) (Sodium/phosphate cotransporter 2A) (Na(+)/Pi cotransporter 2A) (NaPi-2a) (Solute carrier family 34 member 1),FUNCTION: Involved in actively transporting phosphate into cells via Na(+) cotransport in the renal brush border membrane (PubMed:8070635, PubMed:7478940). The cotransport has a Na(+):Pi stoichiometry of 3:1 and is electrogenic (By similarity). {ECO:0000250 UniProtKB:Q06496, ECO:0000269 PubMed:7478940, ECO:0000269 PubMed:8070635}.
Molecular Weight:	68.8 kDa
UniProt:	Q60825

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months