

Datasheet for ABIN7557065

## SLC37A3 Protein (AA 1-494) (His tag)



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### Overview

Quantity:	1 mg
Target:	SLC37A3
Protein Characteristics:	AA 1-494
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC37A3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat Slc37a3 Protein expressed in mammalian cells.
Sequence:	<p>MAWPRFLQRG ALLTSFSHHH LAVLLTFFS YSLLHASRKT FSNVKVSISK QWTPNAFNST</p> <p>LDLPAEIWSS NHLFPSTEEA TLFLGTLDTV FLFSYAVGLF ISGIIGDRLN LRWVLSFGMC</p> <p>SSAFVVFVFG TLTEWLHFYN KWFYCGLWIV NGLLQSTGWP CVVAVMGWNWF GKAGRGVVFG</p> <p>LWSACASVGN ILGAFLASSV LQYGYEYAFV VTASVQFAGG IIFFGLLVS PEEIGLPSIG</p> <p>AEESEEDSQ RPLIDGAENE DDYEPNYSIQ EDRAVVQVKA ISFHQACCLP GVIPYSLAYA</p> <p>CLKLVNYSFF FWLPFYLSNN FGWKEAEADK LSIWYDVGGI IGGTLLGFIS DVLQKRAPVL</p> <p>ALSLFLAVWS LVGYSRSPNN KSINALLMTI TGFFIGGPSN MVSSAISADL GRQELIQGNS</p> <p>EALATVTGIV DGTGSIGAAV GQYLVSLIQD NLGWMWVFYF FILMTSCTIL FILPLIVREV</p> <p>FSLVQRRQAH SLNE <b>Sequence without tag. The proposed Purification-Tag 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.</b></p>

## Product Details

Characteristics:	<div>Key Benefits:</div> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul>
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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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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## Target Details

Target:	SLC37A3
Alternative Name:	Slc37a3 ( <a href="#">SLC37A3 Products</a> )
Background:	Sugar phosphate exchanger 3 (Solute carrier family 37 member 3),FUNCTION: Unlike the other SLC37 members, lacks glucose-6-phosphate antiporter activity (By similarity). In osteoclasts, forms a transporter complex with ATRAID for nitrogen-containing-bisphosphonates (N-BPs) required for releasing N-BP molecules that have trafficked to lysosomes through fluid-phase endocytosis into the cytosol (PubMed:29745899). {ECO:0000250 UniProtKB:Q8NCC5, ECO:0000269 PubMed:29745899}.
Molecular Weight:	54.6 kDa
UniProt:	<a href="#">Q3TIT8</a>

## 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
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Application Details

	guarantee though.
Restrictions:	For Research Use only

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