

Datasheet for ABIN7555433
GLYT1 Protein (AA 1-706) (His tag)



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Overview

Quantity:	1 mg
Target:	GLYT1
Protein Characteristics:	AA 1-706
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GLYT1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat SLC6A9 Protein expressed in mammalien cells.
Sequence:	<p>MSGGDTRAAI ARPRMAAAHG PVAPSSPEQV TLLPVQRSFF LPPFSGATPS TSLAESVLKV</p> <p>WHGAYNSGLL PQLMAQHSLA MAQNGAVPSE ATKRDQNLKR GNWGNQIEFV LTSVGYAVGL</p> <p>GNVWRFPYLC YRNGGGAFMF PYFIMLIFCG IPLFFMELSF GQFASQGCLG VWRISPMFKG</p> <p>VGYGMMVVST YIGIYYNVVI CIAFYFFSS MTHVLPWAYC NNPWNTHDCA GVLDASNLTN</p> <p>GSRPAALPSN LSHLLNHSLQ RTSPSEEWYR LYVLKLSDDI GNFGEVRLPL LGCLGVSWLV</p> <p>VFLCLIRGVK SSGKVVYFTA TFPYVLTIL FVRGVTLEGA FDGIMYYLTP QWDKILEAKV</p> <p>WGDAASQIFY SLGCAWGGLI TMASYNKFHN NCYRDSVIIS ITNCATSVYA GFVIFSILGF</p> <p>MANHLGVDVS RVADHGPGLA FVAYPEALTL LPISPLWSLL FFFMLILLGL GTQFCLLET</p> <p>VTAIVDEVGN EWILQKKTYV TLGVAVAGFL LGIPLTSQAG IYWLLMDNY AASFSLVVIS</p> <p>CIMCVAIMYI YGHRNYFQDI QMMLGFPPPL FFQICWRFVS PAIIFILVF TVIQYQPITY</p> <p>NHYQYPGWAV AIGFLMALSS VLCIPLYAMF RLCRTDGDTL LQRLKNATKP SRDWGPALLE</p>

HRTGRYAPTI APSPEDGFEV QPLHPDKAQI PIVGSNGSSR LQDSRI **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.**

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

Target:	GLYT1
Alternative Name:	SLC6A9 (GLYT1 Products)
Background:	<p>Sodium- and chloride-dependent glycine transporter 1 (GlyT-1) (GlyT1) (Solute carrier family 6 member 9),FUNCTION: Sodium- and chloride-dependent glycine transporter (PubMed:8183239). Essential for regulating glycine concentrations at inhibitory glycinergic synapses. {ECO:0000250 UniProtKB:P28571, ECO:0000269 PubMed:8183239}., FUNCTION: [Isoform GlyT-1B]: Sodium- and chloride-dependent glycine transporter. {ECO:0000269 PubMed:8183239}., FUNCTION: [Isoform GlyT-1C]: Sodium- and chloride-dependent glycine transporter. {ECO:0000269 PubMed:8183239}.</p>
Molecular Weight:	78.3 kDa

Target Details

UniProt: [P48067](#)

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.

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