

Product datasheet for TP301380

FAM62A (ESYT1) (NM_015292) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human family with sequence similarity 62 (C2 domain containing), member A (FAM62A), 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC201380 protein sequence Red=Cloning site Green=Tags(s) |

MERSPGEGPSPSPMDQPSAPSDPTDQPPAAHAKPDPGSGGQPAGPGAAGEALAVLTSFGRRLVLIPVYL
AGAVGLSVGFVLFGLALYLGWRRVRDEKERSLRAARQLLDDEEQLTAKTLYMSHRELPAWVSFPDVEKAE
WLNKIVAQVWPFLGQYMEKLLAETVAPAVRGSNPHLQFTFTFTRVELGEKPLRIIGVKVHPGQRKEQILLD
LNISYVGDVQIDVEVKKYFKAGVKGMQLHGVLRVILEPLIGDLPFVGAVSMFFIRRPDLINWTGMTNL
LDIPGLSSLSDTMIMDSIAAFLVLPNRLVPLVPLDQDVAQLRSPPLRGIIRIHLLAARGLSKDKYVKG
LIEGKSDPYALVRLGTQTFCSRVIDEELNPQWGETYEVMMVEVPGQEIEVEVFDKDPDKDDFLGRMKLDV
GKVLQASVLDDWFPLQGGQGVHLRLEWLSLLSDAEKLEQVLQWNWGVSSRPDPPSAAILVYLDRAQDL
PLKKGNKEPNPMVQLSIQDVTQESKAVYSTNCPVWEEAFRFFLQDPQSQELDVQVKDDSRALTGALTLP
LARLLTAPELILDQWFQLSSSGPNSRLYMKLVMRILYLDSEICFPTVPGCPGAWDVDSNPQRGSSVDA
PPRPCHTTPDSQFGTEHVLRIHVLEAQDLIAKDRFLGGLVKGKSDPYVKKLAGRSFRSHVREDLNPRW
NEVFEVIVTSVPGQELEVEVFDKDLKDDFLGRCKVRLTTLVNSGFLDEWLTLEDVPSGRLHLRLRLTLP
RPTAAELEEVLQVNSLIQTQKSAELAAALLSIYMERAEPLRKGTKHLSPYATLTVGDSHKTKTISQT
SAPVWDESASFLIRKPHTESLELQVRGEGTGVLGSLPLSELLVADQLCLDRWFTLSSGQGQVLLRAQL
GILVSQHSGVEAHSHSYSHSSSSLSEPELSGGPPHITSSAPELRQLTHVDSPLEAPAGPLGQVKLTLW
YYSEERKLVSIHGCRLRQNGRDPDPYVSLLLPDKNRGTRKRTSQQKRTLSPEFNERFEWELPLDEA
QRRKLDVSVKSNSSFMSRERELLGKVQLDLAETDLSQGVARWYDLMDNKKDKGSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

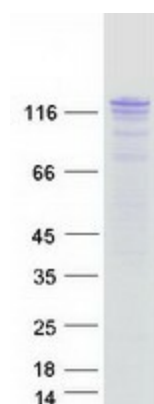
| | |
|----------------|---|
| Tag: | C-Myc/DDK |
| Predicted MW: | 122.7 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |



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|--------------------------|---|
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_056107 |
| Locus ID: | 23344 |
| UniProt ID: | Q9BSJ8 , A0A024RB17 |
| RefSeq Size: | 4255 |
| Cytogenetics: | 12q13.2 |
| RefSeq ORF: | 3312 |
| Synonyms: | FAM62A; MBC2 |
| Summary: | Binds glycerophospholipids in a barrel-like domain and may play a role in cellular lipid transport (By similarity). Binds calcium (via the C2 domains) and translocates to sites of contact between the endoplasmic reticulum and the cell membrane in response to increased cytosolic calcium levels. Helps tether the endoplasmic reticulum to the cell membrane and promotes the formation of appositions between the endoplasmic reticulum and the cell membrane. [UniProtKB/Swiss-Prot Function] |
| Protein Families: | Druggable Genome, Transmembrane |

Product images:



Coomassie blue staining of purified ESYT1 protein (Cat# TP301380). The protein was produced from HEK293T cells transfected with ESYT1 cDNA clone (Cat# [RC201380]) using MegaTran 2.0 (Cat# [TT210002]).