

Product datasheet for PH300008

TEX264 (NM_015926) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TEX264 MS Standard C13 and N15-labeled recombinant protein (NP_057010)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200008
Predicted MW:	34.2 kDa
Protein Sequence:	>RC200008 protein sequence Red=Cloning site Green=Tags(s)
	MSDLLLLGLIGLTLTLLTLLAFAGYSGLLAGVEVSAGSPPIRNVTVAVKFHMGLYGETGRLFTESCSI SPKLRSAVYYDNPMMVPPDKRCRAVGSILSEGEESPSPELIDLYQKFGFKVFSFPAPSHVVTATFPYTT ILSIWLATRRVHPALDITYIKERKLCAYPRLEIYQEDQIHFMCLARQGDYVPEMKETEWKWRGLVEAID TQVDGTGADTMSDTSSVSLEVSPGSRETSAAATLSPGASSRGWDDGDRSEHSYSESGASGSSFEELDLEG EGPLGESRLDPGTEPLGTTKWLWEPTAPEKKGKE
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_057010</u>
RefSeq Size:	1403
RefSeq ORF:	939
Synonyms:	ZSIG11
Locus ID:	51368



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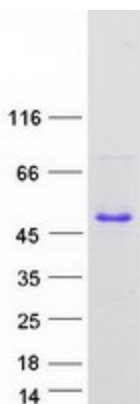
UniProt ID: [Q9Y6I9](#)

Cytogenetics: 3p21.2

Summary: Major reticulophagy (also called ER-phagy) receptor that acts independently of other candidate reticulophagy receptors to remodel subdomains of the endoplasmic reticulum into autophagosomes upon nutrient stress, which then fuse with lysosomes for endoplasmic reticulum turnover (PubMed:31006538, PubMed:31006537). The ATG8-containing isolation membrane (IM) cradles a tubular segment of TEX264-positive ER near a three-way junction, allowing the formation of a synapse of 2 juxtaposed membranes with trans interaction between the TEX264 and ATG8 proteins (PubMed:31006537). Expansion of the IM would extend the capture of ER, possibly through a 'zipper-like' process involving continued trans TEX264-ATG8 interactions, until poorly understood mechanisms lead to the fission of relevant membranes and, ultimately, autophagosomal membrane closure (PubMed:31006537). [UniProtKB/Swiss-Prot Function]

Protein Families: Secreted Protein, Transmembrane

Product images:



Coomassie blue staining of purified TEX264 protein (Cat# [TP300008]). The protein was produced from HEK293T cells transfected with TEX264 cDNA clone (Cat# [RC200008]) using MegaTran 2.0 (Cat# [TT210002]).