

Product datasheet for PH309333

AER61 (EOGT) (NM_173654) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	C3orf64 MS Standard C13 and N15-labeled recombinant protein (NP_775925)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209333
Predicted MW:	52.3 kDa
Protein Sequence:	>RC209333 protein sequence Red=Cloning site Green=Tags(s)

MLMLFVFGVLLHEVSLSGQNEAPPNTHSIPGEPLYNYASIRLPEEHIPFFLHNNRHIATVCRKDSLCPYK
KHLEKLYCWGYEKSCKPEFRFGYPVCSYVDMGWTDTLESAEDIFWKQADFGYARERLEEMHVLCCQPKET
SDSSLVCSRYLQYCRATNLYLDLRNIKRNHDRFKEDFFQSGEIGGHCKLDIRTLTSEGQRKSPLQSWFAE
LQSYTQLNFRPIEDAKCDIVIEKPTYFMKLDAGVNMYYHHFCDFINLYITQHVNNSFSTDVYIVMWDTDGK
IRVTILARSTEYRKILNQNELVNALKTVSTFEVQIVDYKYRELGFLDQLRITHNTDIFIGMHGAGLTHLL
FLPDWAAVFELYNCEDERCYLDLARLRGVHYITWRRQNKVFPQDKGHHPTLGEHPKFTNYSFDVEEFMYL
VLQAADHVLQHPKWPFKKKHDEL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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:	NP_775925
RefSeq Size:	4414
RefSeq ORF:	1329
Synonyms:	AER61; AOS4; C3orf64; EOGT1



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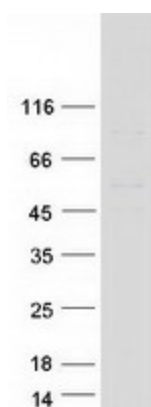
Locus ID: 285203

UniProt ID: [Q5NDL2](#)

Cytogenetics: 3p14.1

Summary: This gene encodes an enzyme that acts in the lumen of the endoplasmic reticulum to catalyze the transfer of N-acetylglucosamine to serine or threonine residues of extracellular-targeted proteins. This enzyme modifies proteins containing eukaryotic growth factor (EGF)-like domains, including the Notch receptor, thereby regulating developmental signalling. Mutations in this gene have been observed in individuals with Adams-Oliver syndrome 4. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2015]

Product images:



Coomassie blue staining of purified EOGT protein (Cat# [TP309333]). The protein was produced from HEK293T cells transfected with EOGT cDNA clone (Cat# [RC209333]) using MegaTran 2.0 (Cat# [TT210002]).