Recombinant mouse EOGT protein

Catalog Number: ATGP3328

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
20-527aa

UniProt No.
Q8BYW9

NCBI Accession No.
NP_780522

Alternative Names
EGF domain-specific O-linked N-acetylglucosamine transferase, EOGT, A130022J15RiK, Aer61, AI447490, AW214473, AW259391

PRODUCT SPECIFICATION

Molecular Weight
60.4 kDa (516aa)

Concentration
0.5mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 85% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
EOGT, also known as EGF domain-specific O-linked N-acetylglucosamine transferase, is involved in the regulation of Notch receptor. O-GlcNAc (O-linked b-N-acetylglucosamine) is introduced by a single intracellular O-GlcNAc transferase (OGT) and a single extracellular O-GlcNAc transferase (EOGT). O-GlcNAc results from the addition of

Recombinant mouse EOGT protein

Catalog Number: ATGP3328

a single N-acetylglucosamine residue to serine/threonine residues. Recombinant mouse EOGT, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

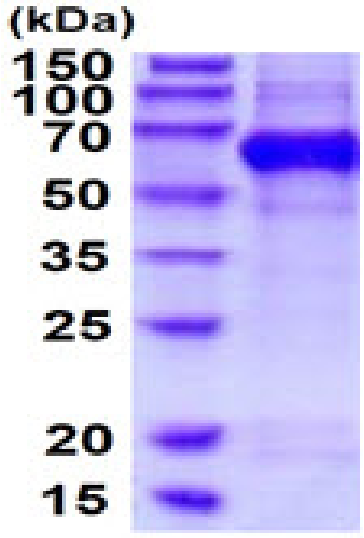
DKAHSEADDA PGKALYDYSS LRLPAEHIPF FLHNNRHVAS VCREDSHCPY KKHLENLNYC WGYEKSCAPE FRFGSPVCSY VDLGWTDTLE SAQDMFWRQA DFGYARERLG EIRTICQPER ASDSSLVCSR YLQYCRATGL YLDLRNIKRN HDRFKEDFLQ GGEIGGYCKL DSHALVSEGQ RKSPLQSWFA ELQGYTQLNF RPIEDAKCDI VVEKPTYFMK LDAGINMYHH FCDFLNLYLT QHVNNSFSTD VYIVMWDTST YGYGDLFSDT WKAFTDYDVI HLKTYDSKKV CFKEAVFSLL PRMRYGLFYN TPLISGCQNT GLFRAFSQHV LHRLNITQEG PKDGKVRVTI LARSTEYRKI LNQDELVNAL KTVSTFEVRV VDYKYRELGF LDQLRITHNT DIFIGMHGAG LTHLLFLPDW AAVFELYNCE DERCYLDLAR LRGIHYITWR KPSKVFPQDK GHHPTLGEHP KFTNYSFDVE EFMYLVLQAA EHVLQHPQWP FKKKHDELLE HHHHHH

General References

Hart GW., et al. (2007) Nature 446:1017-1022.
Sakaidani Y., et al. (2012) Biochem Biophys Res Commun. 419:14-19.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.