

Recombinant Mouse Eogt Protein, His-tagged

Cat. No. Eogt-48M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant mouse EOGT, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Mouse
Source	Insect Cells
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 a single N-acetylglucosamine residue to serine/threonine residues.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	60.4kDa (516aa)50-70KDa (SDS-PAGE under reducing conditions.)
AA Sequence	DKAHSEADDA PGKALYDYSS LRLPAEHIPF FLHNNRHVAS VCREDSHCPY KKHLENLNYC WGYEKSCAPE FRFGSPVCSY VDLGWDTTLESAQDMFWRQA DFGYARERLG EIRTICQPER ASDSSLVCSR YLQYCRATGL YDLRNIKRN HDRFKEDFLQ GGEIGGYCKL DSHALVSEGQRKSPLQSWFA ELQGYTQLNF RPIEDAKCDI VVEKPTYFMK LDAGINMYHH FCDFLNLYLT QHVNNSFSTD VYIVMWDTST YGYGDLFSDTWKAFTDYDVI HLKTYDSKKV CFKEAVFSL PRMRYGLFYN TPLISGCQNT GLFRAFSQHV LHRLNITQEG PKDGKVRVTI

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LARSTEYRKILNQDELVNAL KTVSTFEVRV VDYKYRELGF LDQLRITHNT
 DIFIGMHGAG LTHLLFLPDW AAVFELYNCE DERCYLDLAR
 LRGIHYITWRKPSKVFPQDK GHHPTLGEHP KFTNYSFDVE EFMYLVLQAA
 EHVLPQHPQWP FKKKHDELLE HHHHHH

Endotoxin < 1.0 EU per 1 microgram of protein (determined by LAL method)

Purity >85% by SDS - PAGE

Storage Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20Centigrade or -70Centigrade. Avoid repeated freezing and thawing cycles.

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

GENE INFORMATION

Gene Name Eogt EGF domain-specific O-linked N-acetylglucosamine (GlcNAc) transferase [*Mus musculus*]

Official Symbol Eogt

Synonyms EOGT; A130022J15RiK; Aer61; AI447490; AW214473

Gene ID 101351

mRNA Refseq NM_175313

Protein Refseq NP_780522

MIM

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UniProt ID	Q8BYW9
Chromosome Location	6; 6 D3
Pathway	Other types of O-glycan biosynthesis, organism-specific biosystem; Other types of O-glycan biosynthesis, conserved biosystem
Function	protein N-acetylglucosaminyltransferase activity; transferase activitytransferase activity, transferring glycosyl groups

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