

Recombinant Mouse C4b Protein, GST-Tagged

Cat. No. C4b-0053M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse C4b partial ORF (NP_033910.2, 20 a.a. - 119 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Mouse
Source	Wheat Germ
Description	This gene encodes the basic form of complement factor 4, part of the classical activation pathway. The protein is expressed as a single chain precursor which is proteolytically cleaved into a trimer of alpha, beta, and gamma chains prior to secretion. The trimer provides a surface for interaction between the antigen-antibody complex and other complement components. The alpha chain may be cleaved to release C4 anaphylatoxin, a mediator of local inflammation. Deficiency of this protein is associated with systemic lupus erythematosus. This gene localizes to the major histocompatibility complex (MHC) class III region on chromosome 6. Varying haplotypes of this gene cluster exist, such that individuals may have 1, 2, or 3 copies of this gene. In addition, this gene exists as a long form and a short form due to the presence or absence of a 6.4 kb endogenous HERV-K retrovirus in intron 9.
Molecular Mass	36.63 kDa
AA Sequence	KPRLLLFSPSVVNLGTPLSVGVQLLDAPPGQEVKGSVFLRNPKGGSCSPKKDFKLS SGDDFVLLSLEVPLEDVRSCGLFDLRRAPHIQLVAQSPWLRNTA
Applications	Enzyme-linked Immunoabsorbent Assay

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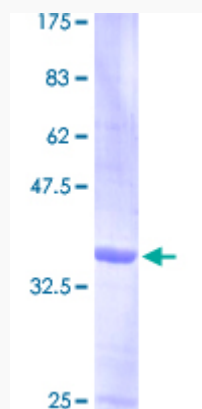
	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	C4b complement component 4B (Chido blood group) [<i>Mus musculus</i>]
Official Symbol	C4b
Synonyms	C4B; complement component 4B (Chido blood group); complement C4-B; complement component 4 (within H-2S); complement component 4B (Chido blood group); C4; Ss;
Gene ID	12268
mRNA Refseq	NM_009780
Protein Refseq	NP_033910

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue

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