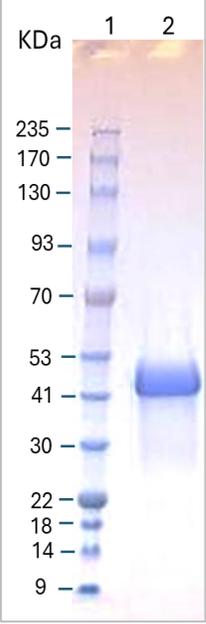


<b>Product Name</b>	Recombinant Cockroach German (Bla g 2)	 <p>SDS-PAGE gel</p>
<b>Synonym(s)</b>	Bla g2, Allergen Bla g II, Aspartic protease Bla g 2	
<b>Biological Origin</b>	Blattella germanica (German cockroach) (Blatta germanica)	
<b>Quantity</b>	50 ug, 500 ug	
<b>Molecular Weight</b>	37.5 kDa	
<b>Purity</b>	>95% by SDS-PAGE	
<b>Tag</b>	C-terminal His tag	
<b>N-terminal sequence analysis</b>	Val25	
<b>Expression Source</b>	HEK293	
<b>Endotoxin</b>	< 1.0 EU per ug protein	
<b>GenBank Accession #</b>	U28863	
<b>Application</b>	Recombinant protein characterization, ELISA, Western blot, crystallization studies.	
<b>Formulation</b>	1 × PBS, 10% glycerol, pH7.4	
<b>Storage and Stability</b>	Stable for 18 months at -20 °C.	
<b>Description</b>	<p>Bla g 2 is a major allergenic protein derived from the German cockroach (<i>Blattella germanica</i>), recognized as a clinically relevant indoor allergen associated with allergic sensitization and asthma. The protein is classified as an inactive aspartic protease homolog and is abundantly present in cockroach digestive secretions and fecal material. Recombinant Bla g 2 is widely used in allergy and immunology research, including studies of IgE binding, epitope mapping, immune response characterization, assay development, and antibody generation. Due to its well-defined structure and strong immunogenicity, Bla g 2 serves as a key reference allergen for mechanistic studies of cockroach-induced allergic disease.</p>	
<b>Reference</b>	<p>Arruda L.K. <i>et al.</i> (1995) J Biol Chem. 270(33):19563–19568.          Ying S <i>et al.</i> (2002) J Allergy Clin Immunol. 110(1):89–96.          Lee H <i>et al.</i> (2010) Biochemistry. 49(30):6351–6362.</p>	

## Related products:

<b>Catalog #</b>	<b>Product Name</b>	<b>Size</b>
ABRA0047	Cat dander (fed d 1)	ABRA0047
ABRA0055	Dog dander (can f 1)	ABRA0055
ABRA0060	Dermatophagoides farinae (der f 2)	ABRA0060
ABRA0072	Dermatophagoides pteronyssinus (der p 1)	ABRA0072
ABRA0307	Dermatophagoides pteronyssinus (der p 1)	ABRA0307
ABRA0064	Cockroach german (bla g 2)	ABRA0064
ABRA0053	Alternaria tenuis (alt a 1)	ABRA0053

ABRA0065	Cladosporium herbarum (cla h 8)	100 µg
ABRA0066	Penicillium notatum (pen n 18)	100 µg
ABRA0048	Birch pollen (bet v 1)	100 µg
ABRA0070	Oak tree (que a 1)	100 µg
ABRA0069	English plantain (pla a 1)	100 µg
ABRA0084	Short ragweed common (amb a 1.1)	100 µg
ABRA0063	Timothy (phl p 1)	100 µg
ABRA0080	Bahia (pas n 1)	100 µg
ABRA0081	Bermuda (cyn d 12)	100 µg
AB28234022	Anti-CD47 antibody	50 µg, 100 µg
190001-R	TEV Protease-His	50 ug, 200 ug, 1 mg
190002	PreScission Protease (HRV 3C)	1,000 units, 10,000 units
190003	Recombinant SUMO Protease (Ulp1)	1,000 units, 10,000 units
190004	TEV Protease-GST	50 ug, 200 ug, 1 mg
190005-R	AiTEV™ Protease	50 µg, 200 µg, 1 mg
200100	Recombinant YopH	10 ug, 20 ug, 100 ug, 1 mg
90101	Recombinant Biotin Protein Ligase (BirA)	100 ug
90201	Recombinant SortaseA-5M	50 ug
11-0001	Recombinant Mouse Leukemia Inhibitory Factor	10 ug, 100 ug, 1 mg
12-0002	Recombinant Human LIF	10 ug, 100 ug, 1 mg
12-0005CFR	Recombinant Human FGF-basic, Carrier-free	50 ug, 100 ug, 500 ug, 1 mg
7657643	DNA Polymerase Theta-N-Helicase Domain	20 ug, 100 ug
7657283	DNA Polymerase Theta-C terminal Domain	20 ug, 100 ug, 1 mg
23731	Recombinant Human PD-1	100 µg
237351	Recombinant Human PD-L1	100 µg
5727-4121G	Kras Wild Type (WT), GST-tag	50 µg, 100 µg
5727-WTG-G	Kras WT, GST-tag, GDP Loaded	50 µg, 100 µg
5727-WTG-GP	Kras WT, GST-tag, GppNHp loaded	50 µg, 100 µg
5727-4122G	Kras G12C, GST-tag	50 µg, 100 µg
5727-4122G -G	Kras G12C, GST-tag, GDP Loaded	50 µg, 100 µg
5727-4122G -GP	Kras G12C, GST-tag, GppNHp loaded	50 µg, 100 µg
5727-4123G	Kras G12D, GST-tag	50 µg, 100 µg
5727-4123G -G	Kras G12D, GST-tag, GDP Loaded	50 µg, 100 µg
5727-4123G -GP	Kras G12D, GST-tag, GppNHp loaded	50 µg, 100 µg
5727-4128G	Kras G12V, GST-tag,	50 µg, 100 µg
5727-4128G -G	Kras G12V, GST-tag, GDP Loaded	50 µg, 100 µg
5727-4128G -GP	Kras G12V, GST-tag, GppNHp loaded	50 µg, 100 µg
7671	Human SOS1, No Tag	50 µg, 100 µg
7237231	Human RBD-RAF1, N-His tag, C-FLAG tag	50 ug, 500 ug
C352A2	GST-CDK2: His-CyclinA2	10 ug, 100 ug
180003	Recombinant Human Malic enzyme 3 (ME3)	10 ug, 25 ug, 100 ug, 1 mg

**For research use only. Not for use in humans or animals. Products are not sold to patients.**

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