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Recombinant Human IgE-Fc domain

Cat No: Pr00104-14.5

Product Summary

Description: Recombinant human Immunoglobulin epsilon heavy chain constant region (IgE-Fc), manufactured using [AbAb's Recombinant Platform](#)

Protein: Human IgE-Fc domain

Structure / Form: Disulfide-linked homodimer

Species: Human

Construct: Human IgE-Fc domain (V104-G427)-(6xHis)

Host: HEK293

UniProt Accession Number: P01854

Design Comment: 6xHis tag fused to the C-terminus to aid purification; numbering of the amino acid sequence in accordance with the UniProt numbering scheme (uniprot.org)

Alternative Description: Fc region of human immunoglobulin epsilon; IgE Fc Protein; IgE-Fc protein; Human Immunoglobulin epsilon heavy chain constant region; human IgE-Fc control protein

Application Code(s): Recommended as: an immunogen to generate antibodies against Human anti-IgE-Fc; a standard/control for Human IgE-Fc assays or other Human IgE-Fc domain applications.

Product Form

Purification: Purified by Immobilized Metal Affinity Chromatography

Supplied in: PBS with preservative (0.02% Proclin 300)

Endotoxin: <1.0 EU/mg as determined by the LAL method.

Shipping: The product is shipped on blue ice. Upon receipt, store it immediately at the temperature recommended.

Storage Recommendation: Store at 4°C for up to 3 month. For longer term storage aliquot in small volumes and store at -20°C. Avoid repeated freeze-thaw cycles.

SDS PAGE Purity: >98%, as determined by SDS-PAGE and visualised by Coomassie Brilliant Blue

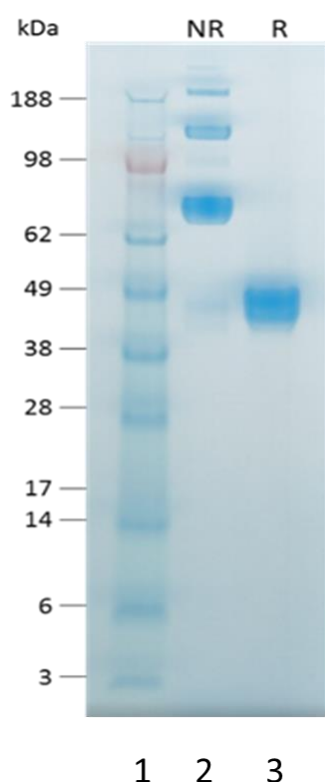
Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals

Fc-Fusion Sequence (monomer)

VCSRDFTPPTVKILQSSCDGGGHFPPTIQLLCLVSGYTPGTINITWLEDGQVMDVDLSTASTTQEGELASTQSELTLSQ
KHWLSDRTYTCQVTYQGHTFEDSTKKCADSNPRGVSAYLSRPSPFDLFIRKSPTITCLVVDLAPSKGTVNLTWSRASG
KPVQHSTRKEEKQRNGTLTVTSTLPVGTRDWIEGETYQCRVTHPHLPRALMRSTTKTSGPRAAPEVYAFATPEWPGS
RDKRTLACLIQNFMPEDISVQWLHNEVQLPDARHSTTQPRKTKGSGFFVFSRLEVTRAWEQKDEFICRAVHEAASPS
QTVQRAVSVNPGHHHHHH

Calculated Molecular Weight (dimer): 73.6 kDa (apparent Molecular Weight may differ due to glycosylation)

Extinction coefficient: 96005 M⁻¹ cm⁻¹ (calculation performed as described by Pace *et al.* (1995), PMID: 8563639).

SDS-PAGE Image:

SDS PAGE Analysis: Lane 1: Molecular Mass Markers. Lane 2: 2.5µg Recombinant Human IgE-Fc domain resolved by SDS-PAGE under non-reducing (NR) conditions. Lane 3: 2.5µg Recombinant Human IgE-Fc domain resolved by SDS-PAGE under reducing conditions

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