



Product name ABATACEPT
Labelled standard



Catalog number ORF90261

Product description

Labelled Abatacept is a recombinant, stable isotope labelled, human fusion protein consisting of extracellular domain of human cytotoxic T-lymphocyte-associated antigen 4 (CTLA-4) linked to the Fc portion of human IgG1. Labelled Abatacept is designed for use as an internal standard for quantitative analysis of Abatacept in plasma samples.

Abatacept is a selective T cell costimulation modulator indicated for treatment of rheumatoid arthritis.

Similar products: Labelled Rituximab, Labelled Tocilizumab-like

Fc-fusion protein sequence

MHVAQPAVVLASSRGIASFVCEYASPGKATEVRVTVLRQADSQVTEVCAATYMMGNELTFLDDSICTGTSSGNQVNLTIQGLRAMDTGLYI
CKVELMYPPPYLIGINGTQIYVIDPEPCPDSDQEPKSSDKTHTSPSPAPELLGGSSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF
NWWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCL
LVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSGDSFLLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKLSLSLSPGK

Product features and protocols

Key features

- 1** Purity >90%
as determined by SDS-PAGE
- 2** Labelling Arg-¹³C₆, ¹⁵N₄ | Lys-¹³C₆, ¹⁵N₂
- 3** Isotopic incorporation >98%
as determined by LC-MS/MS
analysis of digested SIL-protein

Other features

Expression System	Mammalian cells
Predicted MW	39.4 kDa
Protein content	Quantitation is carried out by UV Absorbance at 280 nm
Formulation	10 mM sodium phosphate pH7.2 50 mM sodium chloride 5% sucrose 0.01% Polysorbate 80

Product preparation

For product preparation we recommend the following steps:

1. Thaw in ice
2. Vortex gently
3. Centrifuge briefly before opening

Product storage

The product is liquid and shipped with dry ice.

Store at -80 °C upon receipt.

Once thawed, the protein can be preserved at 4°C for a few weeks.

Avoid multiple freeze-thaw cycles

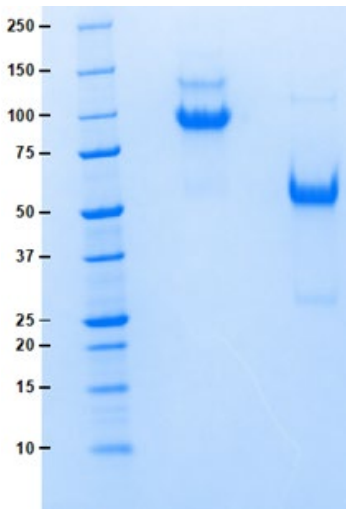
How to use our product



SIL proteins are used as internal standards by addition at the start of a sample preparation workflow. Both Labeled and target proteins will be processed throughout the entire analytical procedure controlling for variability caused by pre-analytical treatments or incomplete enzymatic digestion (1).



Supporting information



SDS-PAGE gel analysis of ABATACEPT labelled protein in Reducing/Heated conditions (right lane) and in non-reducing/ non heated conditions (left lane) Stained with Coomassie blue

References

1. **G.Picard, D. Lebert, et al.** PSAQ standards for accurate MS-based quantification of proteins: from the concept to biomedical applications, *J. Mass Spectrom.* 2012, 47, 1353-1363



The product is intended for research use only. Not for diagnostic or therapeutic use.

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