

Catalogue number: G02S1A02

Product name: S100A2

Product details: Human, Recombinant, full length. Folding state checked by NMR.

Technical Specifications

Rev. date: 06/2013

Date

Quantity

Batch number

DESCRIPTION

MW = 22.0 kDa (dimer). Full length S100A2 (S100L, S100 Calcium Binding Protein A2) cloned from human cDNA, expressed in E. coli. The protein consists of the human S100A2 (residues 1-98, swissprot accession P29034). The starting methionine is processed during the expression.

PURITY

> 95% by SDS-PAGE. The protein was observed as 2 bands migrating at a molecular weight of between 6.5 and 29.2 kDa, respectively representing monomeric (11.0 kDa) and dimeric form (22.0 kDa).

SUPPLIED AS

1 mg/ml in Tris 50mM, pH 7.5, CaCl₂ 5mM, DTT 2mM. The concentration is calculated from the absorbance at 280nm ($\epsilon_{280} = 2980M^{-1}cm^{-1}$).

CHARACTERISTICS

Under the above described conditions, to avoid precipitation or aggregation, the product can be concentrated to a maximum of 1mM.

STORAGE

-20°C. The protein is stable at 4°C for at least 2 weeks and at 25°C for at least several hours. After initial defrost, aliquot product into individual tubes and refreeze at -20°C. Avoid repeated freeze/defrost cycles.

REFERENCES

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Koch M, et al. J Mol Biol. 2008 May 9;378(4):933-42.

Koch M, et al. Acta Crystallogr Sect F Struct Biol Cryst Commun. 2006 Nov 1;62(Pt 11):1120-3.

Ostendorp T, et al. Acta Crystallogr Sect F Struct Biol Cryst Commun. 2005 Jul 1;61(Pt 7):673-5



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