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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
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- Expressversand

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Datasheet

S100A8 (Human) Recombinant Protein (P01)

Catalog Number: H00006279-P01

Regulation Status: For research use only (RUO)

Product Description: Human S100A8 full-length ORF (AAH05928.1, 1 a.a. - 93 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MLTELEKALNSIIDVYHKYSLIKGNFHAVYRDDLKLLLE
TECPQYIRKKGADVWFKELDINTDGAVNFQEFLLILVIKM
GVAAHKKSHEESHKE

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 35.97

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 6279

Gene Symbol: S100A8

Gene Alias: 60B8AG, CAGA, CFAG, CGLA, CP-10, L1Ag, MA387, MIF, MRP8, NIF, P8

Gene Summary: The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide

range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in the inhibition of casein kinase and as a cytokine. Altered expression of this protein is associated with the disease cystic fibrosis. [provided by RefSeq]

References:

1. Melanocyte and melanoma cell activation by calprotectin. Shirley SH, von Maltzan K, Robbins PO, Kusewitt DF J Skin Cancer. 2014;2014:846249. doi: 10.1155/2014/846249. Epub 2014 Aug 12.
2. Predictive significance of kidney myeloid-related protein 8 expression in patients with obesity- or type 2 diabetes-associated kidney diseases. Kuwabara T, Mori K, Kasahara M, Yokoi H, Imamaki H, Ishii A, Koga K, Sugawara A, Yasuno S, Ueshima K, Morikawa T, Konishi Y, Imanishi M, Nishiyama A, Nakao K, Mukoyama M PLoS One. 2014 Feb 18;9(2):e88942. doi: 10.1371/journal.pone.0088942. eCollection 2014.
3. In vivo targeting of inflammation-associated myeloid-related protein 8/14 via gadolinium immunonanoparticles. Maiseyeu A, Badgeley MA, Kampfrath T, Mihai G, Deiuliis JA, Liu C, Sun Q, Parthasarathy S, Simon DI, Croce K, Rajagopalan S. Arterioscler Thromb Vasc Biol. 2012 Apr;32(4):962-70. Epub 2012 Feb 2.