SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Recombinant Bone Marrow Stromal Cell Antigen 1 (BST1)

Catalog Number: SIPB144Hu01 **Spec: 10ug**

Product Name	Recombinant Bone Marrow Stromal Cell Antigen 1 (BST1)
Catalog Number	SIPB144Hu01
Organism Species	Human
Residues	Arg63~Ala313 (Accession # Q10588), with two N-terminal Tags, His-tag and T7-tag.
Host	E. coli
Subcellular Location	Cell membrane; Lipid-anchor, GPI-anchor.
Purity	>95%
Endotoxin Level	<1.0EU per 1μg (determined by the LAL method).
Formulation	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Predicted isoelectric point	6.9
Predicted Molecular Mass	32.3kDa
Applications	SDS-PAGE; WB; ELISA; IP. (May be suitable for use in other assays to be determined by the end user.)

[USAGE]

Reconstitute in sterile PBS, pH7.2-pH7.4.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8oC for one month.

Aliquot and store at -80oC for 12 months.

Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37oC for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

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[SEQUENCES]

The target protein is fused with two N-terminal Tags, His-tag and T7-tag, its sequence is listed below.

MGSSHHHHHH SSGLVPRGSH MASMTGGQQM GRGSEF-RNKNCTAI WEAFKVALDK DPCSVLPSDY DLFINLSRHS IPRDKSLFWE NSHLLVNSFA DNTRRFMPLS DVLYGRVADF LSWCRQKNDS GLDYQSCPTS EDCENNPVDS FWKRASIQYS KDSSGVIHVM LNGSEPTGAY PIKGFFADYE IPNLQKEKIT RIEIWVMHEI GGPNVESCGE GSMKVLEKRL KDMGFQYSCI NDYRPVKLLQ CVDHSTHPDC ALKSAAAATQ RKAPSLYTEQ RAGLIIPLFL VLA

[REFERENCES]

1. Kaisho T., et al. (1994) Proc. Natl. Acad. Sci. U.S.A. 91:5325-5329. 2. Liu T., et al. (2005) J. Proteome Res. 4:2070-2080. 3. Chen R., et al. (2009) J. Proteome Res. 8:651-661. 4. Yamamoto-Katayama S., et al. (2002) J. Mol. Biol. 316:711-723.