Recombinant human CD32b/FCGR2B protein

Catalog Number: ATGP1822

PRODUCT INFORMATION

Expression system
E.coli

Domain
46-217aa

UniProt No.
P31994

NCBI Accession No.
NP_001002274

Alternative Names
Fc fragment of IgG low affinity IIb receptor, Fc fragment of IgG, low affinity IIb, receptor, CD32, CD32B, FCG2, FCGR2, IGFR2, Fc gamma receptor IIb, Fc fragment of IgG receptor IIb, FcgammaRIIb, FCGR2B, IgG Fc receptor II-b, Fc-gamma-RIIb, FcRII-b

PRODUCT SPECIFICATION

Molecular Weight
22.0 kDa (197aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol,1mM DTT

Purity
> 95% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
FCGR2B is a low affinity receptor for the Fc region of immunoglobulin gamma complexes. The protein is involved in the phagocytosis of immune complexes and in the regulation of antibody production by B-cells. Variations in this gene may increase susceptibilty to systemic lupus erythematosus (SLE). Several transcript variants encoding different have been found for this gene. Recombinant human FCGR2B protein, fused to His-tag at N-

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terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

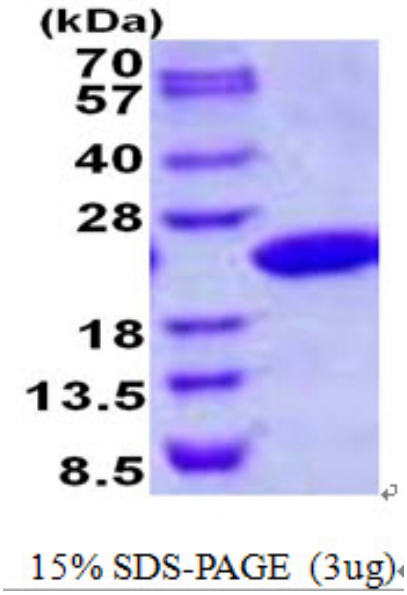
MGSSHHHHHH SSGLVPRGSH MGSHMAPPKA VLKLEPQWIN VLQEDSVTLT CRGTHSPESD SIQWFHNGNL IPTHTQPSYR FKANNNDSGE YTCQTGQTSL SDPVHLTVLS EWLVLQTPHL EFQEGETIVL RCHSWKDKPL VKVTFFQNGK SKKFSRSDPN FSIPQANHSH SGDYHCTGNI GYTLYSSKPV TITVQAP

General References

Wang,L.H.,et al. (2012) Biochim. Biophys. Acta 1823 (2), 505-513
Baerenwaldt,A., et al. (2011) Proc. Natl. Acad. Sci. u.S.A. 108 (46), 18772-18777

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.