

Inhibin beta A chain Recombinant Protein | INHBA recombinant protein

Recombinant Human Inhibin beta A chain

CATALOG # AAA113519	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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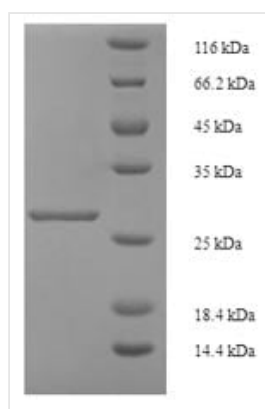
PRODUCT SYNONYMS

Inhibin beta A chain; Recombinant Human Inhibin beta A chain; Activin beta-A chain; Erythroid differentiation protein; EDF; INHBA recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	311-426. Full Length of Mature Protein
Sequence	GLECDGKVINI CCKKQFFVSF KDIGWNDWII APSGYHANYC EGECPSHIAG TSGSSLSFHS TVINHYRMRG HSPFANLKSC CVPTKLRPMS MLYYDDGQNI IKKDIQNMIV EECGCS
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for INHBA recombinant protein	Inhibins and activins inhibit and activate, respectively, the secretion of follitropin by the pituitary gland. Inhibins/activins are involved in regulating a number of diverse functions such as hypothalamic and pituitary hormone secretion, gonadal hormone secretion, germ cell development and maturation, erythroid differentiation, insulin secretion, nerve cell survival, embryonic axial development or bone growth, depending on their subunit composition. Inhibins appear to oppose the functions of activins.
Product Categories/Family for INHBA recombinant protein	Signal Transduction

References	Structure of two human ovarian inhibins.Mason A.J., Niall H.D., Seeburg P.H.Biochem. Biophys. Res. Commun. 135:957-964(1986) Erythroid differentiation factor is encoded by the same mRNA as that of the inhibin beta A chain.Murata M., Eto Y., Shibai H., Sakai M., Muramatsu M.Proc. Natl. Acad. Sci. U.S.A. 85:2434-2438(1988) Structure and sequence analysis of the human activin beta A subunit gene.Tanimoto K., Handa S.I., Ueno N., Murakami K., Fukamizu A.DNA Seq. 2:103-110(1991) The DNA sequence of human chromosome 7.Hillier L.W., Fulton R.S., Fulton L.A., Graves T.A., Pepin K.H., Wagner-McPherson C., Layman D., Maas J., Jaeger S., Walker R., Wylie K., Sekhon M., Becker M.C., O'Laughlin M.D., Schaller M.E., Fewell G.A., Delehaunty K.D., Miner T.L., Nash W.E., Cordes M., Du H., Sun H., Edwards J., Bradshaw-Cordum H., Ali J., Andrews S., Isak A., Vanbrunt A., Nguyen C., Du F., Lamar B., Courtney L., Kalicki J., Ozersky P., Bielicki L., Scott K., Holmes A., Harkins R., Harris A., Strong C.M., Hou S., Tomlinson C., Dauphin-Kohlberg S., Kozlowicz-Reilly A., Leonard S., Rohlfling T., Rock S.M., Tin-Wollam A.-M., Abbott A., Minx P., Maupin R., Strowmatt C., Latreille P., Miller N., Johnson D., Murray J., Woessner J.P., Wendl M.C., Yang S.-P., Schultz B.R., Wallis J.W., Spieth J., Bieri T.A., Nelson J.O., Berkowicz N., Wohldmann P.E., Cook L.L., Hickenbotham M.T., Eldred J., Williams D., Bedell J.A., Mardis E.R., Clifton S.W., Chisoe S.L., Marra M.A., Raymond C., Haugen E., Gillett W., Zhou Y., James R., Phelps K., Iadanoto S., Bubbs K., Simms E., Levy R., Clendenning J., Kaul R., Kent W.J., Furey T.S., Baertsch R.A., Brent M.R., Keibler E., Flicek P., Bork P., Suyama M., Bailey J.A., Portnoy M.E., Torrents D., Chinwalla A.T., Gish W.R., Eddy S.R., McPherson J.D., Olson M.V., Eichler E.E., Green E.D., Waterston R.H., Wilson R.K.Nature 424:157-164(2003) Human inhibin genes. Genomic characterisation and sequencing.Stewart A.G., Milborrow H.M., Ring J.M., Crowther C.E., Forage R.G.FEBS Lett. 206:329-334(1986) Berg H., Walter M., Northemann W. Differential binding and neutralization of activins A and B by follistatin and follistatin like-3 (FSTL-3/FSRP/FLRG) .Schneyer A., Schoen A., Quigg A., Sidis Y.Endocrinology 144:1671-1674(2003) Structures of an ActRIIB:activin A complex reveal a novel binding mode for TGF-beta ligand:receptor interactions.Thompson T.B., Woodruff T.K., Jardetzky T.S.EMBO J. 22:1555-1566(2003) The structure of FSTL3.activin A complex. Differential binding of N-terminal domains influences follistatin-type antagonist specificity.Stamler R., Keutmann H.T., Sidis Y., Kattamuri C., Schneyer A., Thompson T.B.J. Biol. Chem. 283:32831-32838(2008) Germline mutations of inhibins in early-onset ovarian epithelial tumors.Tournier I., Marlin R., Walton K., Charbonnier F., Coutant S., Thery J.C., Charbonnier C., Spurrell C., Vezain M., Ippolito L., Bougeard G., Roman H., Tinat J., Sabourin J.C., Stoppa-Lyonnet D., Caron O., Bressac-de Paillerets B., Vaur D., King M.C., Harrison C., Frebourg T.Hum. Mutat. 35:294-297(2014)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504699
NCBI GeneID	3624
NCBI Accession #	NP_002183.1
NCBI GenBank Nucleotide #	NM_002192.2
UniProt Accession #	P08476; Q14599
Molecular Weight	29 kDa
NCBI Official Full Name	inhibin beta A chain
NCBI Official Synonym Full Names	inhibin beta A
NCBI Official Symbol	INHBA
NCBI Official Synonym Symbols	EDF; FRP
NCBI Protein Information	inhibin beta A chain
UniProt Protein Name	Inhibin beta A chain
UniProt Gene Name	INHBA
UniProt Synonym Gene Names	EDF
UniProt Entry Name	INHBA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.